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**SATEX
SEED
CO.**



**SEED and POULTRY
SUPPLY ANNUAL**

D. N. S. Co. 1927

THANK YOU!

For we do owe you thanks for your splendid co-operation and patronage which has made the year 1926 the biggest in the history of the Satex Seed Company and it is our desire to please you at all times. Whether you are a back yard gardener or a large truck grower it will pay you at all times to plant Satex tested seeds. Comparative tests of seeds planted at the same time will soon convince you of the superiority of our tested seed, which must stand the gaff of purity, true to type and high germination.

With the most modern cleaning and testing equipment we are prepared to sell you only the best.

Our poultry supplies, remedies and feeds are of the highest quality and can fill your orders for them the day they are received.

To avoid disappointment, we advise placing your order early so that you will have your seed at planting time.

Appreciating your continued patronage and wishing you a successful year, we are

Respectfully yours,

SATEX SEED COMPANY.



GENERAL INFORMATION

Read Carefully

The prices in this catalog cancel all previous prices and are subject to change without notice.

POSTAGE CHARGES

Satex Seed Company deliver free all packets, ounces and pounds, given in this catalog. For seeds shipped into Mexico, add 6c per pound to catalog price for each pound ordered. *We do not deliver free any plants, trees, roots or nursery stock, nor any bulbs, (unless priced as postpaid), nor any insecticides, tools, implements, etc. Potatoes and Field Seeds are quoted always f. o. b., San Antonio, Texas.*

NON-WARRANTY—Note. There are many contingencies to be encountered in growing plants from seed and in setting out plants that are dependent on the weather and other conditions over which we have no control, that success in planting is not altogether dependent on the seed or plant. We send out only seed that have been tested for germination, and which we believe will produce the kind of variety and plant represented; but:

Satex Seed Company gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, plants or trees they send out and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

HOW TO ORDER BY MAIL

YOUR NAME AND ADDRESS—Be sure that your name and address in full are written very plainly. We have on file quite a few orders without any name and address, and if you should have mailed us an order and failed to receive same during the past year, kindly write us, giving approximate date of order and copy of order, and if on file, we will give same our attention. If you do not receive any goods ordered from us within ten days after the order is sent kindly let us hear from you, and we can then avoid further delay. We fill all orders the day received, unless unable to supply same at the time, and will advise you accordingly, so do not hesitate to write us, if the goods do not show up.

CASH WITH ORDER—The proper way is to send remittance in full to cover order and postage. We send orders C. O. D. only if 25 per cent of the amount of order is enclosed. **Plants are never sent C. O. D.**

REMITTANCES should be made by Postoffice or Express Money Order or Bank Draft. On orders up to One Dollar, we will accept clean unused postage stamps. If currency is sent, letter should be registered, and if local checks are sent they should be certified. We do not accept responsibility for orders, which never reach us.

FREE — Seeds Or Poultry Supplies — FREE

We want the names of five gardeners or poultry raisers. Send us your order for \$1.00 worth of garden or flower seeds and the names and addresses of five of your friends interested in gardening or poultry raising and we will send you absolutely free twenty-five cents worth of flower or garden seeds, your own selection or choice of any of the following premiums. **This offer does not apply to order of Poultry Feeds, Remedies or Supplies, Garden Tools or plants. Orders must be strictly Garden or Flower Seeds.**

FREE OFFER WITH \$1.00 SEED ORDER;

No. 1—25c Garden or Flower Seed Assortment.

No. 2—Star Fountain and Feeder.....Page 31

No. 3—12 Moes Aluminum Leg Bands.....Page 32

No. 4—12 Spiral Leg Bands.....Page 32

No. 5—1 No. 11 Moes Chick Feeder.....Page 31

PARCEL POST RATES AND RULES GOVERNING FORWARDING OF SEEDS, BULBS, PLANTS, POULTRY SUPPLIES.

DOMESTIC PARCEL POST RATES On Seeds, Bulbs, Poultry Supplies, etc.,	First Pound or Fraction	Each Additional Pound or Fraction
FIRST ZONE—Within 50 miles of San Antonio.....	7c	1c
SECOND ZONE—Within 50 to 150 miles of San Antonio.....	7c	1c
THIRD ZONE—Within 150 to 300 miles of San Antonio	8c	2c
FOURTH ZONE—Within 300 to 600 miles of San Antonio	9c	4c
FIFTH ZONE—Within 600 to 1000 miles of San Antonio	10c	6c

WEIGHT LIMIT—Packages are subject to a limit of maximum weight in the first, second and third zone of 70 pounds; in all other zones of 50 pounds.

ZONE RATES may be had by applying to your postmaster who will tell you which zone you are in, with reference to San Antonio, or consult parcel post schedule above.

POSTAGE has to be prepaid and customers will kindly add same to their valued orders,

as packages cannot be mailed charges collect at destination. This refers to large quantities than prices quoted postpaid.

PARCEL POST, C. O. D.—Packages may be sent C. O. D. at an extra expense of 12c, which amount is added to the order.

INSURED PARCEL POST—If customers want their packages sent insured they will kindly add cost to their remittance. Rate—Up to \$5, 5c; up to \$25, 8c.

BUSH OR SNAP BEANS

GREEN PODDED VARIETIES

Culture—For the earliest crop, plant just as soon as the weather gets warm, about the 15th of March. For a succession, plant every two weeks throughout the summer until the last week in August. For field culture, plant in rows two feet apart, drill the beans three inches apart, covering about two inches. For home garden, the rows may be two feet apart. Cultivate them often until they have blossomed, not afterward, and never work them when the vines are wet. Two pounds will plant 120 feet; 60 lbs. will plant an acre. Spray the beans early and frequently with Bordeaux Mixture to free them of rust, blight, mildew and leaf spot.

Hopkins Improved Red Valentine—A very hardy, early and productive standard sort. Pods $4\frac{1}{2}$ inches long, round and creaseback, medium green, slightly stringy and of good quality. Pkt., 10c; lb. 40c, postpaid.

Black Valentine—Beautiful large pods about 6 inches long, slender, round and nearly straight, fine grained, dark green in color. Seed black. An early, productive, profitable gardeners variety. Plant more vigorous and productive than Red Valentine and pods darker green. Pkt., 10; lb., 45c, postpaid.



GOLDEN WAX

Stringless Green Pod—The pods are medium green, five to six inches long, cylindrical, larger than those of the Red Valentine, but not quite as fleshy, of equally high quality and remain crisp and tender longer. Absolutely stringless. Pkt., 10c; lb., 50c, postpaid.

Giant Stringless Green Pod—Another exceptionally fine bean for home or market, perfectly stringless; pods longer than Burpee's Stringless; strong, vigorous grower, and a continuous bearer of delicious beans for weeks. Pkt., 10c; lb., 50c; postpaid.

Longfellow—Moderately early and productive. Pods dark green, 6 to 7 inches long, very slender, straight and round; very slightly stringy, tender, fine grained, attractive and of good quality. Pkt., 10c; lb., 45c, postpaid.

BUSH WAX BEANS

Improved Golden Wax—One of the best beans in cultivation. Pods are long, nearly straight, broad and flat, and golden yellow; seed white, more or less covered with two shades of purplish red. Pkt., 10c; lb., 40c, postpaid.

Prolific Black Wax—Early; pods round, about five inches long, fleshy, brittle and stringless, deep yellow in color and attractive. A standard sort. Pkt., 10c; lb., 40c; postpaid.

Pencil Pod Wax—Early and very productive. Pods large, 5 to 6 inches long, round, straight and creaseback, strictly stringless, free from fiber, fleshy and brittle; of highest quality; color very clear yellow. Pkt., 10c; lb., 40c, postpaid.

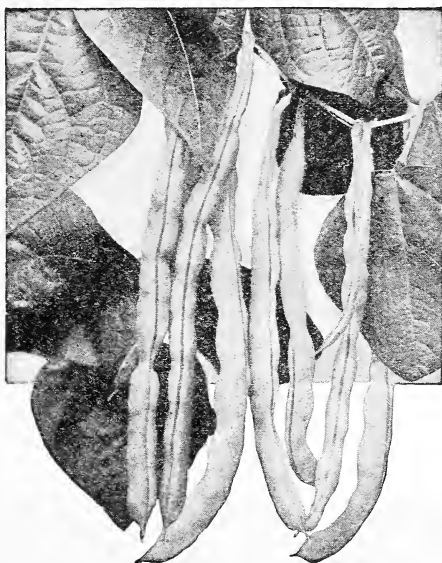
Crystal White Wax—Pods small, about $3\frac{1}{2}$ inches long, round and curved with crease in back, very fleshy and brittle. Color greenish-white with silvery shade. Used mostly for canning. Pkt., 10c; lb., 50c, postpaid.

POLE BEANS

Culture—Pole beans should be planted in four-foot rows, three feet apart, six to seven beans in each hill. Pole can be set at time of planting or after they come up. The pole should not be less than five feet. They can also be planted in the cornfield and allowed to run up the stalk. One-half pound will plant fifty hills. Thirty-five pounds to the acre.

White Creaseback—A white-seeded round green-pod Pole Bean, a prolific yielder of excellent quality. Sometimes called White Cornfield Beans. Pkt., 10c; lb., 45c, postpaid.

Striped Creaseback—A hardy and very productive green podded cornfield bean. The vines are sturdy and of good climbing habit, with small-medium, deep green leaves. The pods are long, about 6 inches, very cylindrical or completely rounded. Large pkt. 10c; 1 lb. 45c, postpaid.

**KENTUCKY WONDER**

Kentucky Wonder—An excellent greenpodded variety; enormously productive, the long pods hanging in great clusters along the entire vine. They cook very tender and melting. Seed dark brown. Pkt., 10c; lb., 50c, postpaid.

Kentucky Wonder (Wax)—One of the earliest of the pole wax sorts. Pods eight to nine inches long, thick, decidedly crease-back; very fleshy, brittle, but stringy. Attractive and fair quality. Color light yellow. Pkt., 10c; lb., 45c, postpaid.

BUSH LIMA BEANS

Henderson's Dwarf Lima—The earliest variety of dwarf Lima Beans, fully two weeks earlier than any other variety. Plants about 16 inches high and very prolific. Beans are small. Recommended to anyone desiring early lima beans. Pkt., 10c; lb., 50c, postpaid.

POLE LIMA BEANS

Carolina or Sieva—Beans small and white on the order of Henderson Bush Lima. Plant of large growth, very early, vigorous and productive. Pkt., 10c; lb., 50c, postpaid.

Pole Speckled Lima—This fine Butter Bean is better adapted for the wants of the Southern farmer than any other variety. It is a certain and abundant cropper. The vines are strong growers and cling well to the poles or trellis. Bear early and late. Both pods and beans are larger than the old white Carolina or Sieva Butter Bean. The beans are speckled in color, white splotched with red but are of the very highest quality, both in the green and dry state. Pkt. 10c; ½ lb., 25c; 1 lb., 45c, postpaid.

GARDEN BEETS

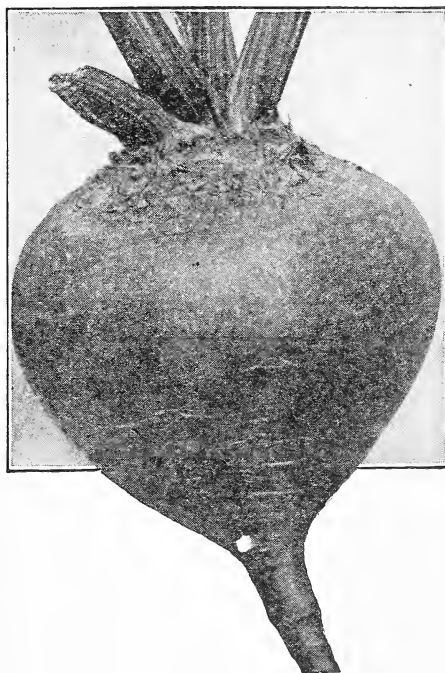
Culture—As soon as the soil can be worked in spring, sow beet in twelve to eighteen-inch drills for hand hoeing or eighteen to thirty-inch drills for horse cultivation, dropping

twelve seed to the foot. Cover the beet seed, which is really a beet fruit containing one or more seeds, one-half inch deep. Later, thin the beets to stand five to the foot. Use one ounce of seed to one hundred feet of row and five or six pounds to the acre.

Crosby's Egyptian—We have an unequalled strain of this superb, extra early sort. A flattened globe shape; skin very dark red, flesh a trifle lighter in color and slightly zoned; tops small. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Extra Early Eclipse—A fine early table beet, top-shaped or tapering, globe shaped. Flesh deep crimson, zoned with pink. Crisp and sweet. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.

Detroit Dark Red Turnip—Roots roundish, smooth; dark red; flesh bright red, zoned with lighter; crisp, tender, sweet, a good keeper. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

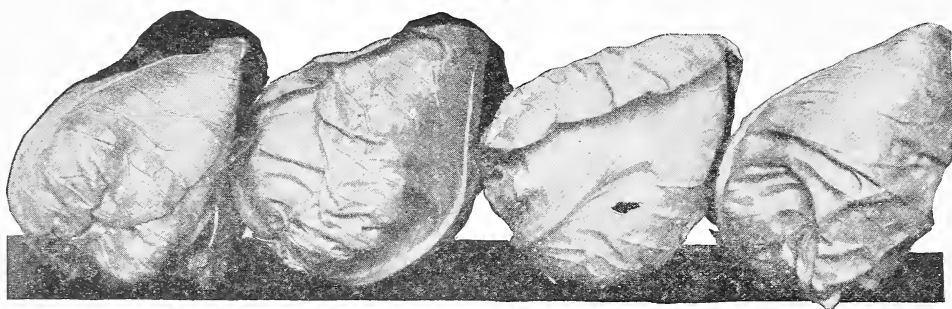
**DETROIT DARK RED**

Landreth's Best—45 days, five days earlier than Detroit more ball-shaped—altogether a superior sort. Slimmer tap roots—more mouse tailed. Flesh solid, deep blood red of excellent quality, sugary. Skin smooth and free from side fibers. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Early Blood Turnip—A standard medium early variety of excellent quality; also good for summer and fall use. The flesh is deep red, zoned with lighter shade; sweet, crisp and tender; nearly round. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

Swiss Chard or Spinach Beet—No other garden vegetable will produce more nutritious food from a small space than Swiss Chard. Of rapid growth. The foliage and leaf-stalks used same as asparagus or spinach. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

CABBAGE SEED



EARLY JERSEY WAKEFIELD

Culture—Cabbage grows successfully on a wide variety of soils and experience points to liming, deep plowing and heavy manuring means success to cabbage raising. One can set cabbage plants out as early as February or March, which have been wintered over either in cold frames or out of doors. This setting will give you the earliest cabbage. For a succession sow the seed of the early varieties in hot-beds or cold frames either in January or February. Later sow the early varieties out doors. For winter or fall cabbage sow your seed in May or June, and in July or August transplant in the field. For setting out plants in the fall for making early cabbage in the spring the seed should not be sown before the 22nd of September, for if they are sown earlier you are more likely to have most of them shoot to seed instead of making heads. Early varieties should be set about 18 inches apart in three-foot rows. One ounce will produce 1,500 plants, eight ounces will make plants for one acre. We will always have plants in season; see plant list price page.

Early Jersey Wakefield—The most widely known and popular extra early variety. Heads are broad cone shaped and very solid. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

Charleston Wakefield—About one week later than Early Jersey Wakefield, but the conical heads are fully one-half larger. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

Stein's Early Flat Dutch—An early and excellent type of Early Flat Dutch, with a medium stem; heads round, flat and solid. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

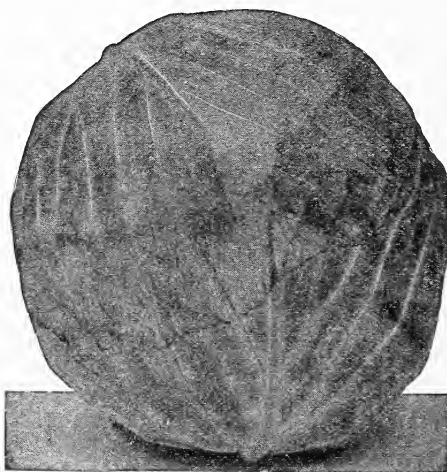
Copenhagen Market—Very fine; stem short, heads large, round and solid, with few outer leaves of an upright growth. Nearly as early as Jersey Wakefield. Pkt., 5c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

Early Drumhead—We recommend this sort for markets that require a very large and deep head. Plant large, with few outside leaves, stem of medium length. A sure heading variety of excellent quality. Pkt., 5c; oz., 20; ¼ lb., 75c; lb., \$2.00.

Danish Ball Head—One of the very best winter sorts and one of the most hardy; heads round and very solid. Our selected stock of this cabbage is unexcelled. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

Volga, or Russian—A new medium sized sort, with round, solid heads, which are deep through. It is extremely hardy. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

Red Rock—The largest and surest heading red cabbage, round, solid and dark red, medium to long stem. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

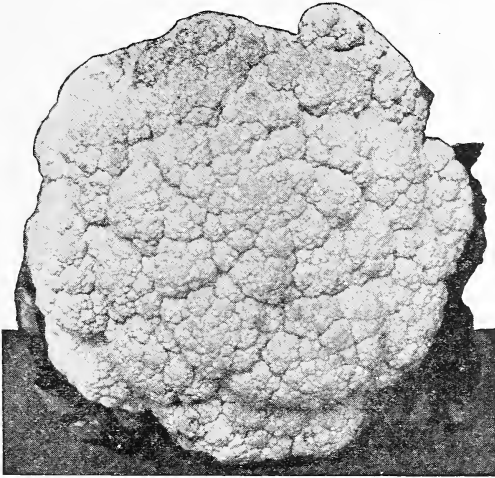


COPENHAGEN MARKET

Drumhead Savoy—Heads round, compact and solid; leaves numerous, deep green and coarsely crimped. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

Chinese Cabbage (Pe Tsai)—Sometimes called Celery Cabbage; resembles Cos Lettuce as much as cabbage, though with a decided cabbage flavor. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$4.50.

CAULIFLOWER

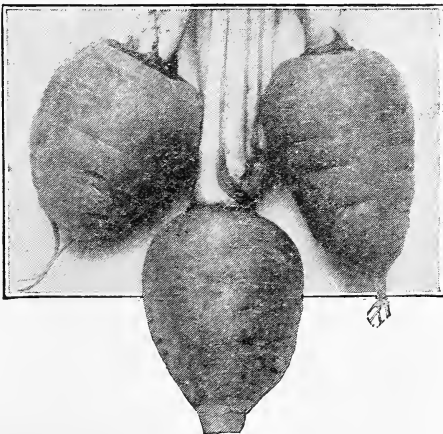


EARLY SNOWBALL

Culture—The culture for cauliflower is practically the same as for cabbage, and it can be grown both in the spring and fall. For early crop sow seed in hotbed in January or February. Seed for the late crop should be sown in May or June, transplanting same as late cabbage. When the heads are about 2 inches across, gather up the outer leaves and tie. This will protect and blanch the heads making them of much better quality.

Early Snowball—We believe this to be the best variety in existence. It is early, of dwarf compact growth and sure to produce fine heads. Very much depends on the quality of Cauliflower seed. We handle only the best. Danish-grown seed from a well known, reputable grower, which we confidently recommend. Pkt., 25c; oz., \$2.75; ¼ lb., \$8.00.

CARROTS



OXHEART

Culture—One ounce is sufficient for one hundred feet of drill; two to four pounds to the acre. Carrots ought to be sown in light fertile soil, which has been heavily manured

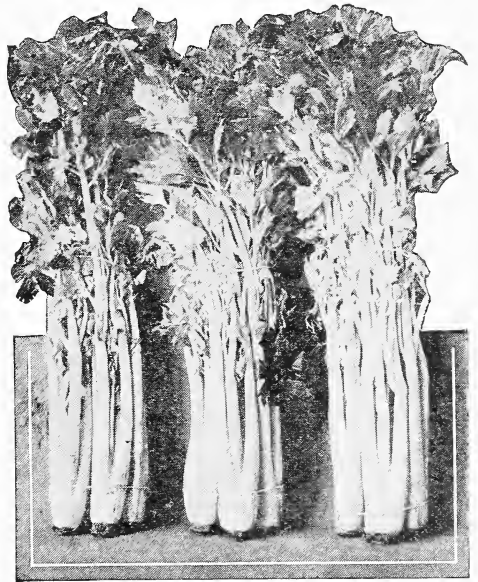
the previous year. Sow in drill one-half inch deep; rows from 18 inches to two feet apart, thin out to two to three inches apart. Sow as early as the ground can be worked for the early crop; for late crop, sow in July.

Orange Danvers Half Long—Broad shouldered, cylindrical, admirable in color. Always a favorite because reliable and attractive in form, color and weight. Most popular sort. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Oxheart or Guerande—One of the most popular and best croppers among the short carrots. The shape is particularly desirable for heavy soil. The true type is about four and one-half inches long and three and one-half inches thick at the shoulder. It tapers slightly to the bottom, and is very stump rooted. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Chantenay—One of the best carrots for all purposes. Roots about 6 inches long, blunt pointed, smooth, fine grained and sweet, a heavy yielder. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

CELERY



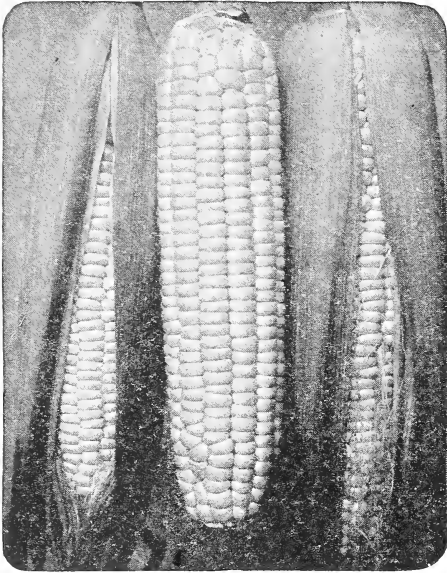
GOLDEN SELF BLANCHING

Golden Self-Blanching—The best market variety, especially for early summer. The plant is naturally golden-yellow (both stem and leaves, but needs to be blanched to make it brittle and fit for table use. Forms a rather small bunch. Pkt., 10c; oz., 75c; ¼ lb., \$2.00.

COLLARDS

Georgia Southern—Plant 2 to 3 feet high, forming a cluster of tender undulated leaves at the top of its rather long stem; used as greens. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

SWEET CORN



GOLDEN BANTAM

Culture—Plant from March to July, one inch deep in row, three feet apart, leaving eighteen inches between the plants. The small extra early varieties may be planted as close as two feet, providing the soil is very rich, or the ground has been heavily fertilized. As sugar corns are very sensitive to cold and damp weather, they should not be planted until the ground has become thoroughly warm.

Golden Bantam—Early; golden yellow in color and of highest quality. Ears 6 to 7 inches long, 8 rowed, bearing from 2 to 4 ears to a stalk. Pkt., 10c; lb., 35c; postpaid.

Extra Early Adams—This is not a Sugar Corn, but is earlier. The ears are short, 12-rowed, and while in condition for roasting cannot be told from Sugar Corn. It will stand earlier planting than Sweet Corn and is a favorite wherever worms work badly on early corn. Pkt., 10c; lb., 25c, postpaid.

Country Gentleman—An especially fine quality corn, cob small, white and densely covered with long slender white grains without row formation. Pkt., 10c; lb., 35c, postpaid.

Truckers Favorite—A splendid early white Corn coming in directly after Adams Early, but much larger. Has a deep white soft grain. Pkt., 10c; lb., 35c; postpaid.

CUCUMBER

Culture—For the general crop plant in the open ground as soon as the weather becomes settled warm, about the 1st of April, not over an inch deep, in hills about ten feet apart each way. The hills should be previously prepared by mixing well-rotted manure with the soil. Put about ten seeds in each hill, and when all danger of insects is past thin out to four plants, and give frequently but shallow cultivation.

Improved Early White Spine—Vines vigorous, fruiting early and abundantly. Fruit good-sized, straight and smooth. Splendid for table use and especially desirable for pickles. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Improved Long Green—Uniform in size, straight, smooth, and deep green in color. A great favorite for slicing. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

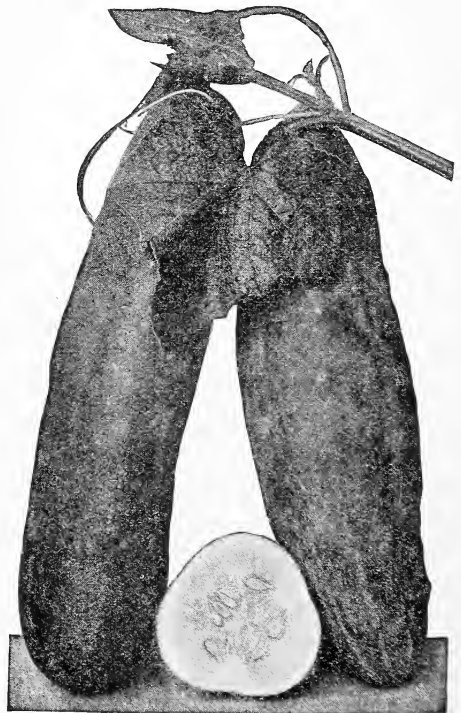
Improved Chicago Pickling—Meets the most exacting requirements of critical pickle makers. Vines healthy and very productive. Fruit the right size, shape color and quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Early Fortune—Early, good dark color and prolific. Fruits average about 10 inches...Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Arlington White Spine—One of the most popular White Spine sorts. The fruits are very uniform, averaging 7 to 8 inches. It is extra early and very prolific. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

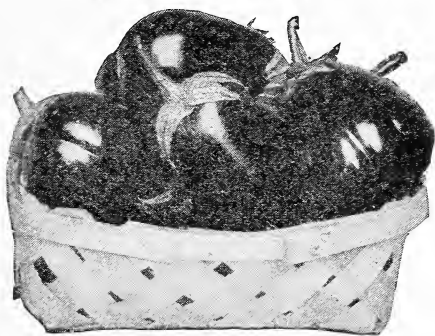
Extra-Long White Spine, or Evergreen—A fine strain; smooth, frequently 10 inches long; round, handsome, very regular. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

Burrell's Earliest of All—Earlier than any other strain of white spine and as well colored as any cucumber grown. The fruit is 6 to 7 inches long, very dark green with pale green stripes about one-third the length from the blossom end. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00.



EVERGREEN WHITE SPINE

EGG PLANT



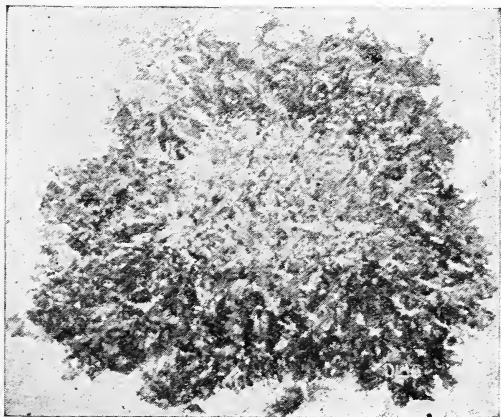
BLACK BEAUTY

Culture—Six ounces will usually produce enough plants to set an acre. Sow seed in a special prepared hotbed, as they require more heat than it is necessary or desirable for other plants. Sow one quarter of an inch deep in February or early March and keep the sash on until the plants appear, after which air must be given on warm days; close attention being given them during the earlier stages. When two or three inches high, prick them out into small pots to induce stockiness.

Black Beauty—Rich dark purple, large and symmetrical, maturing a little earlier than our Improved Large Purple, but usually not quite as large. Very desirable for the market, as the fruit holds its color for a long time...Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.50.

Improved Large Purple (Spineless)—This variety is a general favorite both for market and home garden. The plant is spineless, large and spreading, with light green foliage. It usually produces four to six large, oval fruits of a splendid dark purple color. The vigor and productiveness and fine quality of the fruit makes it a most profitable variety for market gardening. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

ENDIVE



GREEN CURLED SUMMER ENDIVE

Culture—Same as Lettuce. Seed may be sown anytime during the year. When plants are well started, thin out to ten inches apart

or they may be transplanted. 1 oz. will sow 100 foot row.

Large Green Curled—Has very curly leaves, the mid-ribs being white and whitish, and the outer edges very much indented and crested. A very attractive plant and one of the best varieties. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., \$1.25.

Ever White Curled—The plants are moderately dense, with divided leaves, which are very light yellowish-green in color, even the outer ones being very light. This variety blanches readily to an attractive creamy white. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., \$1.25.

KALE

Dwarf Curled Scotch—A finely curled, spreading, low growing variety, very hardy and much used for greens. This sort sometimes called Norfolk, is grown extensively in the South for shipment, and is largely planted for the home garden. The leaves are long, and attractive bright green. This sort is often used for garnishing. Pkt., 5c; oz., 10c; 2 ozs., 20c; ¼ lb., 30c; lb., \$1.00.

KOHL RABI



WHITE VIENNA KOHL-RABI

EARLY WHITE VIENNA

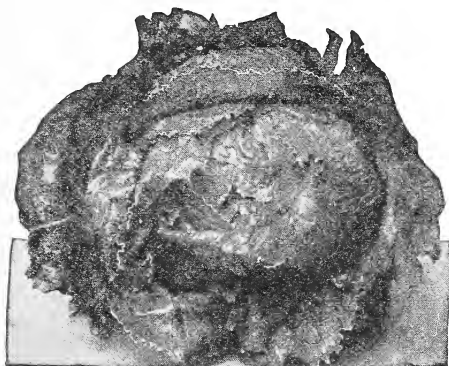
Culture—Sow in drills as soon as ground can be worked in spring and up to fall. When well started set out in rows about 8 inches apart. 1 oz. will sow 200 foot row.

Early White Vienna—A turnip-like bulb, formed above ground, combining somewhat the flavor of cabbage and turnips. The bulb is large enough to be used in 10 to 12 weeks from time to sowing, and is most tender and deliciously flavored before fully matured. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

Large Green—This sort is also called Large White. It is hardy, quite late, and used for feeding stock. Bulbs large, weighing 8 to 10 pounds when fully grown; whitish green in color, leaves large and very numerous. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

LETTUCE

Culture—As lettuce will stand considerable freezing, it may be seeded or transplanted out of doors as soon as the soil can be worked in the spring. For a succession, sow every three weeks. It requires rich, moist soil, clean and thorough cultivation. One ounce will produce about 1,000 plants.



SATEX SPECIAL NEW YORK

Early Prize Head—Forms a mammoth plant, in which even the outer leaves are crisp and tender; color bright green tinted with brownish-red. It is of superb flavor and very hardy. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb. 45c; lb., \$1.25.

Satex Special New York—(The standard head lettuce grown so largely in California and misnamed by the produce trade as Iceberg). Produces immense heads as solid as a cabbage. The interior is beautifully blanched, creamy-white, crisp, delicious and very tender. It is a very strong, robust growing variety. The outer leaves are attractive deep green, broad, frilled at edges. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.

Big Boston—50 days. A popular market variety used largely in the South to grow winter lettuce for the northern markets. A light-green cabbage variety, slightly tinged with brown in the head. Has a fine golden buttery head. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Hanson—A fine large-heading variety. Leaves curled on the edges, light yellowish-green in color. The head is crisp and brittle and flavor excellent. Stands warm weather extremely well. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.50.

Cos—Forms oblong heads of large size. Considered by many as superior to any other kind. An entire distinct type of lettuce. Sometimes called Romaine Celery Lettuce. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Iceberg—A large crisp lettuce, always tender. Iceberg stands hot weather remarkably. Give each head 14 inches in row. The color is light green lightly tinged with brown. Try this either for home or market garden. A little larger than Los Angeles and similar. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

New Chicken Lettuce—Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale.

Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50, postpaid.

MUSTARD

Culture—One ounce sows 75 feet of drill; four to five pounds, broadcast, an acre. For early salad, sow in February, March or April; for late sowing, September or October.

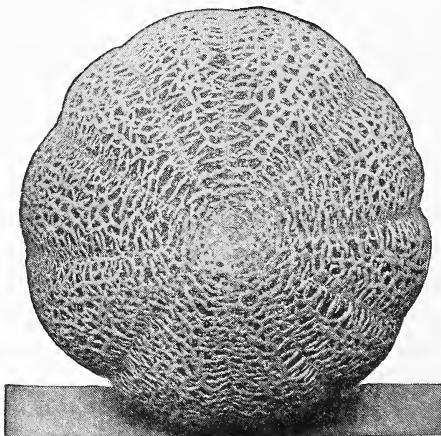
Southern Giant Curled—30 days. Leaves are large, light green with tinge of yellow, much crimped and frilled at edges. Plant is upright and slightly spreading in growth. This variety is highly esteemed in the South for the market, as well as for the home garden on account of its vigorous growth, hardiness and good quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30; lb., 90c.

Large Smooth-Leaved—30 days. An excellent sort with very large, light green, plain or comparatively smooth leaves, borne well above the ground. This sort is preferred by many, as it is more easily prepared for the table than the rougher-leaved varieties. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Chinese—Leaves twice the size of White English; sweet and pungent. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

MUSK MELON

Culture—Prepare hills, 4 to 6 feet apart, in a rich, moderately dry sandy soil, using well-rotted manure. When frost is over, plant 10 to 12 seeds in each hill about 1 inch deep, and when well up, thin out, leaving 4 strong plants to the hill. Pinch off the ends of the vines about a foot long; this will make them strong and bear more freely. Give frequent but shallow cultivation till the vines cover the ground. Dust with sifted ashes, air-slacked lime or tobacco dust to keep off insects; spray with Bordeaux Mixture to prevent disease and improve the yield. Do not grow near cucumbers, squashes, etc. One ounce plants 50 hills; two pounds to the acre.



Rocky Ford, or Netted Gem—The most largely cultivated variety in use. Grown in great quantities in Colorado. Fruit is slightly oval, finely netted and slightly ribbed. Flesh thick, green, very sweet and of fine quality, and high flavor. Pkt., 5c; oz., 10c; 2 ozs., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Pineapple—One of the largest and sweetest varieties on the market. It is deep ribbed and heavily netted. It is twice as large as the Rocky Ford. The flesh is deep green, and of a most excellent flavor. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., \$1.25.

Honey Dew—The delicious honey-like flavor of this new melon has met with instantaneous public favor and created a sensation wherever used. The fruit is of large size, weighing 8 to 10 pounds each. The rind is perfectly smooth and cream colored. The flesh is from 1½ to 2 inches thick, light green in color, very sweet and juicy. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

Casaba-Golden Beauty—Golden Beauty is bright yellow, about globular, with wrinkled skin, slightly pointed at stem end. The fruits are about 6 to 8 inches in diameter. The flesh is pure white and very thick. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

Honeyball—It is the result of a cross between Texas Cannon Ball Cantaloupe and California Honey Dew Casaba. Resist sun scald better than most melons; a little larger in size than Rocky Ford; round and has thick wall of delicious green meat clear to the rind; small seed cavity, high sugar content and delicious flavor; a splendid shipper. Pkt. 15c; oz., 40c; ¼ lb., \$1.20; lb., \$3.50.

Burrell's Gem—An excellent small melon of the Netted Gem type; somewhat later than that variety and a fourth larger; fruit oblong, distinctly but not deeply ribbed and well netted; flesh deep salmon, of fine quality. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Pollock's No. 25—Best described as a salmon fleshed Rocky Ford, being identical in every way except color of flesh. It is rapidly superseding the green fleshed variety in the large melon growing districts of the South and West. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

Texas Cannonball Cantaloupe—Medium in maturity and size and of flattened, rounded shape. In flavor it is a first-class, and its dense netting makes it almost sun and insect proof, this being an immense advantage where insects are troublesome and melons liable to sunscald. Is almost all meat, seed cavity small. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Extra Select Rocky Ford—70 days. This seed is selected out of hand-selected fruit and is superior to the ordinary run. Flesh light green and of a delicate spicy flavor. Melon well ribbed and netted. No strain of Rocky Ford is better than this, which we offer as Extra Select. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.00.

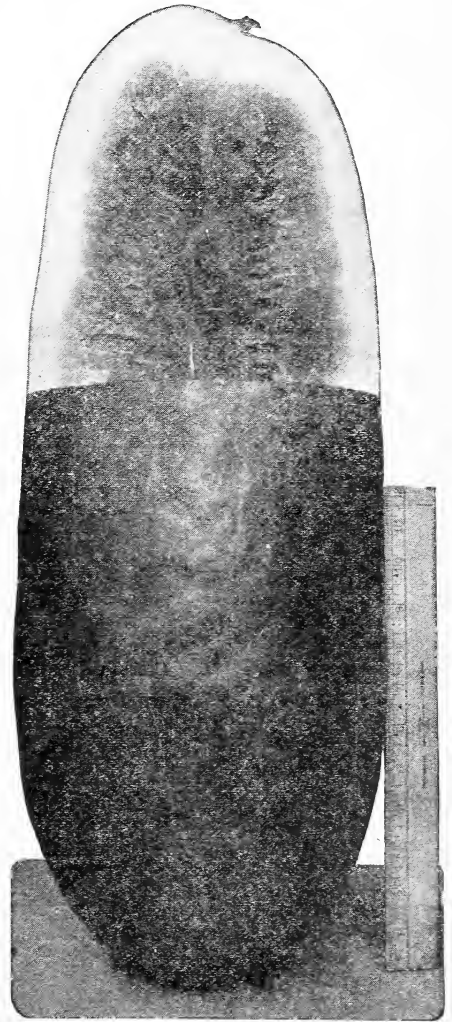
WATER MELON

Culture—Prepare hills 8 or 10 feet apart each way by working in thoroughly rotted manure, or poultry droppings—rich ground gives the plants a good start before insects attack them. When the ground is warm plant 6 or 8 seeds to the hill, covering an inch deep and, when well up, thin out, leaving three strong plants to each hill. Do not grow near pumpkins and gourds. Use the same insect reme-

dies as recommended for cantaloupes. One ounce will plant 30 hills; 3 lbs. one acre.

Gypsy or Georgia Rattlesnake—The melon is long, smooth, distinctly striped with light, mottled and wavy dark green stripes. Flesh bright scarlet and very sugary. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Halberts Honey—Fully equal to Kleckley's Sweet, which it resembles. It is more even in outline, is blunter at the end, and the skin is of a richer, darker color. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



TOM WATSON

Wonder Melon—Here is a watermelon that every grower in the South will plant sooner or later. In quality of flavor there is nothing that will compare with it. A large and long melon resembling the Tom Watson. The rind is rather thin, but tough, cutting a big red heart of the finest melon meat you have ever tasted. White seed, with few to the melon. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

Dale—This splendid large melon is oblong in shape. The tough skin is a dark green color irregularly striped with lighter green. Flesh is dark red in color, fine grained, sweet and luscious. White Seed. An excellent ship-

per. You will find our strain of this excellent melon to be the best. Limited amount of seed. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Kleckley Sweet—80 days. A very desirable variety for the home garden or nearby markets. Fruit medium-sized, oval, and skin dark green, flesh bright red and sweet. Skin is brittle. It is the very sweet, honey-like flavor that makes it especially distinct from all other varieties. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Tom Watson—85 days. Long, dark green. More tracery on skin than Kleckley Sweet, and longer. Fine variety, creamy-brown seed, flesh deep red, finest flavor, no core. Often weighs from 50 to 60 pounds to the melon. One of the most popular shipping melons on the market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Florida Favorite—Fruit long, dark green, mottled and striped with a lighter shade. Rind thin but firm. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

New Excel—85 days. Fruit long and of mammoth size. Skin a solid green. Rind thick and tough. Meat blood-red. Contains less seed than usual. This excellent melon stands dry weather better than any melon on the market, and will make larger melons in drought than the Tom Watson. The flesh is very sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Alabama Sweet—80 days. A very large, long melon of excellent quality; popular in the South, where it is grown extensively for shipping. The color is rather deep green, with dark, irregular striping. The rind is thin, but very tough. The flesh is bright red, fine grained and sweet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Irish Grey—New. A valuable melon, producing more melons under any conditions than any other variety. Also a fine eating melon, and a grand shipper. The red flesh is very sweet and free from stringiness. The rind will not sunburn and will keep in excellent condition long after picking. Pkt., 5c; oz. 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Citron For Preserving—90 days. A round, light and dark-striped melon, meat greenish-white; used for preserving only. Seed red and small. Tough rind. Pkt., 5c; oz. 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

OKRA OR GUMBO

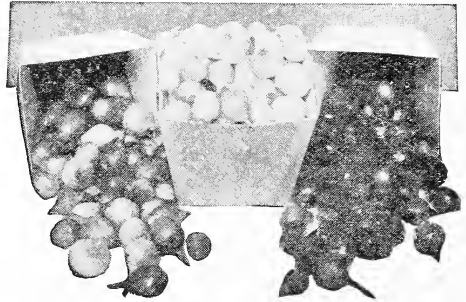
Culture—One ounce will sow 50 feet of drill. Sow from March to July, one inch deep in rows four feet apart for the tall and three feet for the dwarf; thin out to a foot apart.

White Velvet—Round, white, smooth pods of extra large size produced in great abundance. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Perkin's Mammoth Long Pod—This variety is about three feet high, very early and productive. The pods are deep green, very long, slender, slightly corrugated, very tender and of good quality. This a desirable market as well as home garden sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

ONION SETS

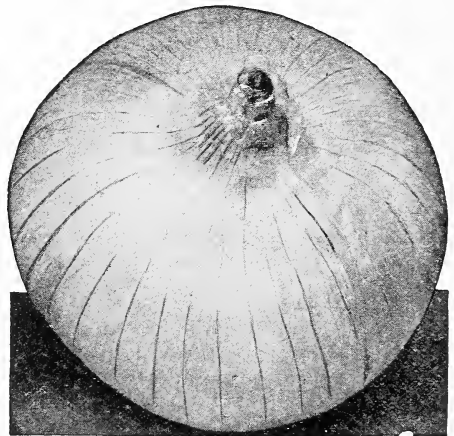
Culture—Plant four inches apart in rows half an inch deep, and one foot between the rows, when cultivated by hand. Do not cover the sets entirely. All varieties can be set out in the fall as well as in the spring. 1 lb. plants a 60 foot row.



Red Bottom Sets.....lb., 30c, postpaid
White Bottom Sets.....lb., 30c, postpaid
Yellow Bottom Sets.....lb., 30c, postpaid
Onion Plants.....30c per 100, postpaid

ONION SEED

Culture—Sow seed from August to September. To make large onions from seed, as soon as the plants are as large as a goose quill, transplant four inches apart in 18-inch rows; this will increase the yield and make large onions. Five pounds will plant an acre.



Crystal White Wax

Crystal White Wax—This is the waxy white onion seen in our market in the early spring, and it is one of the most beautiful onions on the market. It is absolutely pure white, of the finest flavor, and will always command a premium on the market. Pkt., 10c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$9.00.

White Or Yellow Bermuda—This is the standard variety, and is grown very largely among the large Texas onion growers. It is more hardy, less affected by disease, and more prolific than the other onions. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

PARSLEY

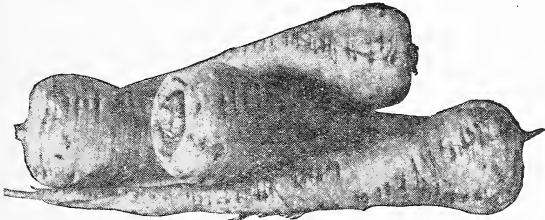
Culture—One ounce is sufficient for fifty feet of drill. Should be sown in February or March; in rich, mellow soil, one-eighth of an inch deep. Parsley seed is very slow in germinating, often requires a month.

Plain Or Single—A very hardy variety. The leaves are flat and not curled. The best flavored variety. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

Champion Moss Curled—A very finely curled, green and very ornamental variety. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

PARSNIP

Culture—Two ounces is enough for one hundred feet of drill; four pounds will sow an acre. Sow very thickly from March till the middle of October, one-half of an inch deep; when plants are two or three inches high thin out from four to six inches apart.



Hollow Crown

Hollow Crown—An excellent variety for the table. The roots are long, with smooth, white skin, uniform in shape, tender and of the best quality. The variety is easily distinguished by the leaves growing from the depression on top or crown of the root. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

GARDEN PEAS

Culture—Peas do best in a rich, loamy soil, soil that has been well manured the previous year. The smooth varieties can be planted as early as the ground can be worked. The wrinkled ones are not as hardy as the smooth kind and should be planted later. One pound will plant fifty feet of drill; 90 pounds for an acre. Advise inoculation with Farmogerm for best results.

Thomas Laxton—Excepting color of foliage and pods, in growth this is identical with the Gradus, two or three days later, but much more productive. Pkt., 10c; lb., 50c.

First and Best—One of the earliest tall varieties, with smooth, round peas, which ripens almost, at one time. Grows two to two and one-half feet high, seed yellow-white, pods straight, short and well filled. Quality best of the smooth-seeded early varieties. Pkt., 10c; lb., 40c, postpaid.

White Marrowfat—A very heavy yielding, late variety. Pods large and well filled. The dry peas are of large size and excellent for cooking. Pkt., 10c; lb., 40c.



Alaska

Alaska—A blue pea of excellent quality. The earliest of all the blue sorts. A desirable early pea for market gardeners, growing from 2 to 2½ feet and very productive. Pkt., 10c; lb., 40c.

Landreth's Extra Early—A critical gardener wants the best strain as respect earliness, size of pod. Flavor, uniformity of ripening, vigor and uniformity in habit of the plant. All these desirable qualities can be found in this pea. This type will produce peas fit for table in 44 to 50 days, according to soil and climatic conditions of the season of their growth. Pkt., 10c; lb., 45c; postpaid.

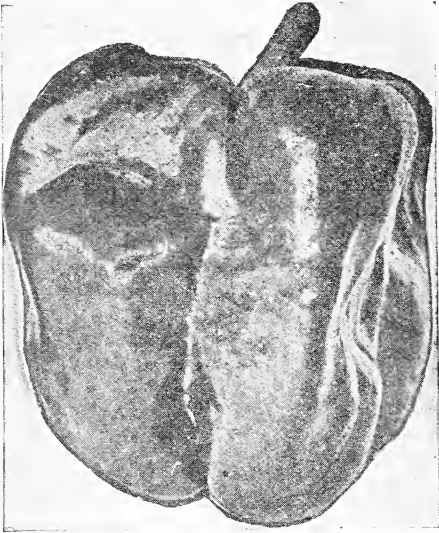
Bliss Everbearing—An old standard late, main crop variety. Height 3 feet. Vine and foliage sturdy and strong, dark green; pods usually in pairs, medium green, 3 inches long, straight and pointed, containing 4 to 5 light green peas of good quality; matures following Telephone. Pkt., 10c; lb., 45c.

Canada Field—Seed small, white; for field culture only. Height 4 feet. Vine moderately stout and medium green; pods light green, 2½ inches long, square ended, six small, light green peas in pod; matures with Telephone. Pkt., 10c; lb., 30c.



A splendid nitrogen gathering bacteria for inoculating Peas, Beans, Alfalfa etc. See page 18.

Note: If you are in need of peas in large quantities write us. We will make quantity prices that will suit you.



Magnum Dulce—140 days. The largest of all the Sweet Peppers, sometimes growing six to seven inches in length, and five to six inches in diameter. Very prolific. Plant about three feet high. Fruit deep green when young, crimson when fully matured. Flavor very mild. The most popular variety for market gardeners, and also for home gardens. Pkt., 5c; ob., 60c; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

Pimiento or Perfection—A medium early, prolific, perfectly mild variety with extremely thick flesh. On account of its thick flesh it will hold up for a long time and is an excellent sort for canning whole. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

PEPPER

Culture—Sow in box or hotbed in January and February; cover seed about one-half inch deep, and transplant outside in April, 18 inches apart, in $2\frac{1}{2}$ or 3-foot rows. When the ground becomes warm, sow seed outside and transplant when large enough. Give free cultivation and keep free from weeds. One ounce will produce about 1,000 plants.

Worldbeater—This is without doubt, the finest introduction in peppers in ages. It is a cross between Chinese Giant and Ruby King, having the shape of the Ruby King, except that it is broader at the pointed end and almost the size of the Chinese Giant. It is far more prolific than Chinese Giant. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Chinese Giant—Plant dwarf, fruit of mammoth size, very broad, but rather short. It is very late and a rather shy yielder. Popular on account of its large size and mild flavor. Our stock is pure and is as good as can be obtained. Pkt., 5c; oz., 75c; $\frac{1}{4}$ lb., \$2.00; lb., \$6.00.

Ruby King—This variety grows to an extraordinary large size. When ripe, a handsome, bright, ruby-color; remarkably mild and pleasant to the taste. For stuffing, no other variety can equal it. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.20; lb., \$3.50.

HOT OR PUNGENT VARIETIES

Red Chili—A rather small, bright red variety, about two inches long and pointed. The pods are used in making Chili sauce, and are very pungent and hot. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$3.75.

Long Red Cayenne—110 days. A strong, pungent variety, having well pointed fruit, which is bright scarlet when ripe. A very popular variety. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$3.75.

GENUINE MAINE GROWN SEED POTATOES



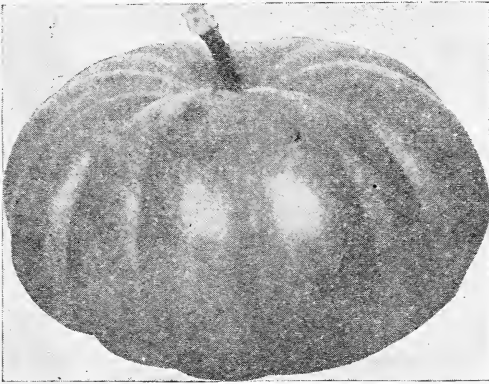
Irish Cobbler

Culture—Potatoes can be grown in any soil provided it is well drained, but if grown on sandy, rich soil they will be of better quality than if planted on clay soil. The sets should be planted from 4 to 6 inches deep, according to the time of planting, in rows 3 feet apart and 16 to 18 inches in the rows. If planted $1\frac{1}{2}$ by 3 feet there will be about 9,700 hills in one acre, and it will take between 600 and 700 pounds, according to the size of the sets to plant it. At 3 by 3 feet one-half the quantity is sufficient. Unless you have a rich soil would advise fertilizing with a mixture of 75% Acid Phosphate and 25% Cotton Seed Meal, using same at the rate of 600 lbs., to the acre.

Irish Cobblers—This variety is one of the most reliable and popular of the early varieties. It is of handsome creamy-white color and of excellent quality, making it most desirable for the best trade. It is a vigorous grower, ripens uniformly and a good keeper; in short, one of the best all-around early potatoes on the market. Peck \$1.50, Not Postpaid.

Bliss Triumph Or Red Bliss—This is the most standard red variety in the Southern States. It is very early and matures quickly. The potatoes are round and uniform in shape, eyes slightly depressed and a beautiful bright red color. It is a very hard, and not susceptible to disease. Peck \$1.50, Not Postpaid.

PUMPKIN



Large Cheese Pumpkin

Culture—Plant from April to September in hills eight to ten feet apart; prepare land as you would for melons." When planted in corn, plant every fourth row at the same time you plant the corn; three pounds will plant an acre.

Cheese—65 days. A very good table variety. Shape flat, like a cheese box; a good keeper. Often 15 inches across the top. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Kentucky Field—90 days. Sometimes called Large Cheese. A very large, flattened pumpkin, averaging about two feet through. When ripened the skin is a rich cream color. Flesh yellow and of fine quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Pie Pumpkin—65 days. A small round, yellow sort, with fibre pinkish netting. Flesh is thick, sweet and of excellent quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

Green Striped Cushaw—70 days. Fruits very large, white crooked neck. Color, creamy white, irregularly striped or traced with green. Flesh light yellow, very thick, rather coarse but sweet. This sort is very productive and popular in some sections. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Marrow—A very large round, flat pumpkin, brilliant vermillion orange in color, and the handsomest pumpkin in existence. The flesh is very thick and solid and is bright orange-yellow in color. The seed cavity is amazingly small and on this account there is but little seed, which means that it will never be a cheap variety. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

RADISH

Culture—One ounce will plant 50 feet of hill. The tenderness and sweetness of radishes are greatly dependent upon the rapidity of their growth. Sow out doors; half an inch deep; from February to October; broadcast or in drills.

Early Scarlet Turnip, White Tipped—One of the most popular and attractive short varieties. It is globe shaped, bright rose carmine with bottom and tip clear white. Stems and leaves are small. Very valuable for forcing, as well

as for the garden and market. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 90c.

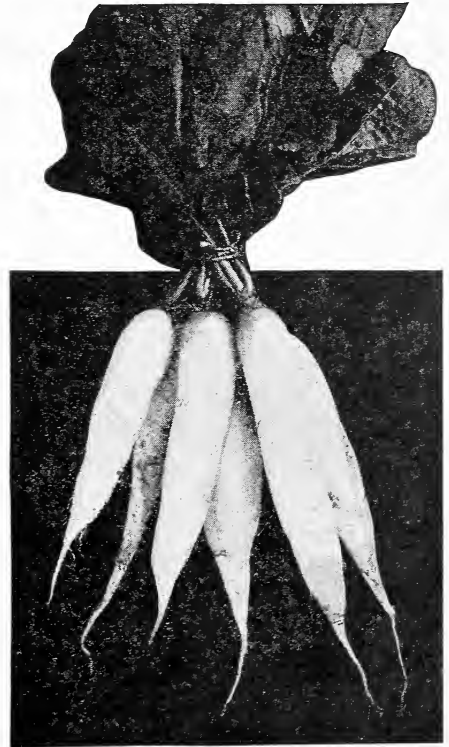
French Breakfast—A quick growing, small, olive-shaped radish about one and one-half inches long by five-eighths to three-fourths of an inch in diameter when fully grown. The color is beautiful deep rose scarlet except a little clear white about the tip. This is an excellent variety for planting outdoors for the home garden. Its small tops and earliness make it also desirable for growing under glass. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 90c.

Wonderful Half-Long Scarlet—23 days. So rapid in growth as to develop perfectly in 23 days. Grows about 2½ inches long, contrasting from a broad shoulder to a sharp point; very symmetrical and uniform in shape; color a bright scarlet, and altogether a gem. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

Chartier Or Shephard Radish—A variety of Long Scarlet. Deep crimson at top, almost white at bottom. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

Scarlet China—One of the best of the winter varieties. The roots are cylindrical, or largest near the bottom, stump rooted or blunt at both ends. The skin is smooth and of a bright deep rose color. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

Long White Vienna—A very fine, long, white variety; quick growing and ready for use when very young. The flavor is mild and sweet. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.



White Vienna

Long Black Spanish—70 days. One of the latest and hardiest long garden radishes; especially adapted for winter use. The roots

are long, thick, almost black, somewhat wrinkled. The flesh is white, of firm texture, decidedly pungent, but well flavored. The roots when matured are usually seven to nine inches long by two or three inches in diameter at the thickest part. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

SPINACH



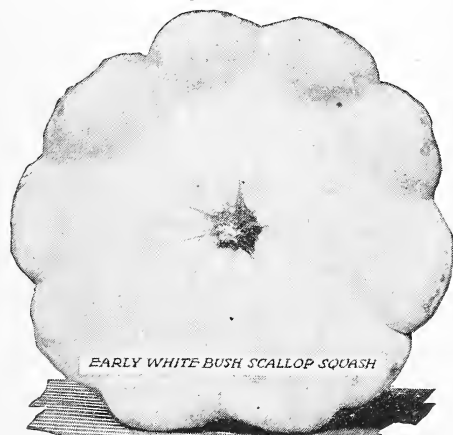
Bloomsdale

Culture—For early spring use, sow in February and March; in drills, one inch deep; two feet between the rows, or either broadcast; have well fertilized. Two ounces will sow 100 feet of drill; 10 to 12 pounds, one acre. For winter and spring use, sow from September to December.

Bloomsdale—40 days. As an autumn sort it is superior to all others; but in the spring is inclined to shoot early. The leaves are twisted and bloated, giving them, when ready for shipment, an elasticity adapting them for transportation to long distances and at the same time giving the crop large measuring qualities. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Broad-Leaved Flanders—One of the most vigorous and strong growing varieties. The leaves are nearly round, uniformly deep green, quite thick and slightly crimped in the center. Pkt., 5c; 1 oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; postpaid.

SQUASH



EARLY WHITE BUSH SCALLOP SQUASH

Culture—Prepare soil in same manner as for melons; make hills three to four feet apart. Plant one inch deep; eight to ten seeds to the

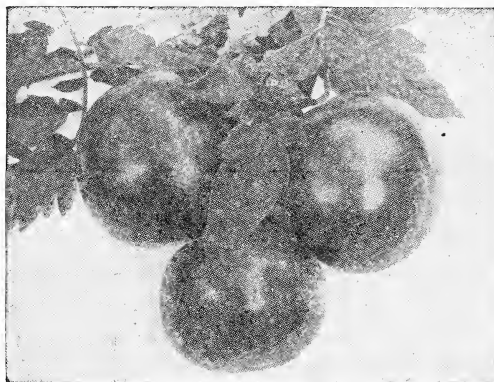
hill; one ounce will plant 25 hills; three to four pounds to an acre.

Early White Bush Scallop—50 days. A very early variety, with flat, creamy white scalloped squashes, 4 to 6 inches in diameter. The vine is bush in habit and rather dwarf. This variety is the common "patty pan" squash. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Mammoth White Bush Scallop—60 days. An early maturing, somewhat flattened, scalloped bush squash of largest size, and the handsomest of the summer varieties for home garden and market. The vines are vigorous and productive. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Yellow Crookneck—The well known summer variety. Fruit long, skin very fine and tender when young. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

TOMATOES



John Baer

Culture—For early use, sow one-eighth of an inch deep in January or February in a hotbed, or, if only a few plants are wanted, sow in a window box. In order to get the plants strong and stocky, they should be transplanted when two or three inches high. When all danger of frost has passed, set out in the open ground in rows, three feet apart. For later crops, sow in open ground, as above directed. An ounce will make about 1,000 plants; four to five ounces will make plants enough for an acre.

Earliana—90 days. Very early. Habit of vine dwarf and compact. Fruit borne in clusters of from 10 to 15 in a bunch. A remarkable variety and one which is in good favor with market gardeners. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

John Baer—An early variety, maturing with Bonny Best, producing fruit equally as good as Chalk's Jewel. Color, bright scarlet; good size and smooth. The seed we offer was grown from the introducer's stock. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.20; lb., \$3.50.

McGee—Well known in this state on account of its heavy-bearing qualities. It will yield splendid crops when all other varieties fail. Bright crimson, solid and good flavor. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.20; lb., \$4.00.

Dwarf Champion—100 days. A dwarf variety, sometimes called the tree tomato on account of its upright growth and its ability to stand alone without trellising. Fruit medium-sized, smooth, uniform and of a purplish-carmine

color. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.20; lb., \$3.50.

Dwarf Stone. Claimed to be the largest dwarf tomato known, almost double the size of Dwarf Champion, and is similar in habits of growth; very popular with market gardeners and home canners. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$3.75.



Gulf State Market

Gulf State Market Tomato—This globe-shaped purplish-pink tomato was developed from Early Detroit and is as early as that variety. It is said to be especially adapted to the Gulf States and California. The fruits are large, showing little depression around the stem, and free from cracks. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., \$0.75.

Chalk's Early Jewel—95 days. A wonderful new variety in that it is early and bears continuously throughout the season. The fruit is large, smooth, uniform and well ripened clear to the stem, and the flavor and quality are especially fine. Color bright scarlet. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Early Detroit—A new tomato of merit; fruit smooth, uniform, nearly globe-shaped, firm and of fine quality; color purplish-pink, season early. Is a fine shipping variety. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.20; lb., \$3.50.

June Pink—95 days. A very early and productive pink form of Earliana. The best early pink on the market. Fruit solid and borne in profusion. Pkt., 5c; oz., 45c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Beauty (Livingston's)—A second-early large, smooth purple-fruited sort of good quality. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.15; lb., \$3.50.

Early Acme—The plants are of strong and vigorous growth; very productive fruit of medium size, perfect form, round, slightly depressed at the ends, very smooth (never rough); color a glossy red, with purplish tinge; ripens all over and through at the same time. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Norton—A main-crop, scarlet-fruited variety. Very similar to Stone, of which it is a selection. Introduced by the U. S. Dept. of Agriculture for wilt resistance. Fruits are of medium size, smooth, and solid. Norton bears well and gives a good crop. Vines make a medium to heavy growth. One of the best long distance shippers. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$3.50.

Avon Early Tomato—This is a scarlet fruited variety of the very earliest class. It bears as quickly as Earliana, produces fruits of good size, round or slightly flattened, smooth and free from cracks and of fine quality. It is very productive and its season is longer than other first earliest. Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 75c.

Stone—115 days. The best main-crop tomato for all purposes, and largely used for canning. Vine tall and prolific. Fruit smooth, large and uniform. Color bright scarlet. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$2.50.

Yellow Plum—95 days. A small-fruited, bright golden yellow variety, very attractive; for salads or preserves. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

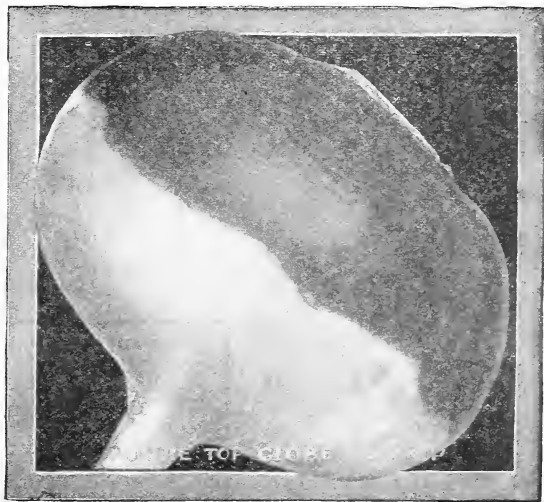
Yellow Pear—Same as Yellow Plum, except that it is the shape of a pear and a trifle smaller. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

RUTABAGA

American Purple Top or Long Island—One of the best and most popular varieties, with yellow flesh. It is yellow below ground, with purple top above, and the leaves are small. A good stock-feeder or table variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

TURNIP

Culture—For early Turnips, sow as soon as the ground opens in spring. Rutabagas should be sown from any time in July to first of August; but the other kinds, for winter use, may be sown from the middle of July to the end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of the Rutabagas) by cultivating in drills 18 inches apart, and thinning to 6 inches in the drill. Sow in drills, one pound to the acre; broadcast, 2 to 3 pounds to the acre.



TURNIPS—(Continued)

Purple Top White Globe—An early, medium-sized, globular shaped turnip of good quality for either table or stock. A heavy producer and good keeper. The flesh is white, and of good eating quality while young. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

White Egg—A sort forming root the shape and size of egg in an incredibly short period after sowing. Flesh always palatable. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

Pomeranian White Globe—Large white variety, used largely for stock. Is globe shaped, large leaves, hardy. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

Extra Early Purple-Top Milan—An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Yellow Aberdeen—A large sized, round, late maturing, long keeping, yellow fleshed turnip. It is hardy, productive, and valuable for stock feeding. The roots are yellow with purple top. The flesh is pale yellow, firm, tender and sweet. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

Early White Flat Dutch—Strap Leaved. A medium-sized flat variety, clear white, early and of fine flavor. A fine table variety. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

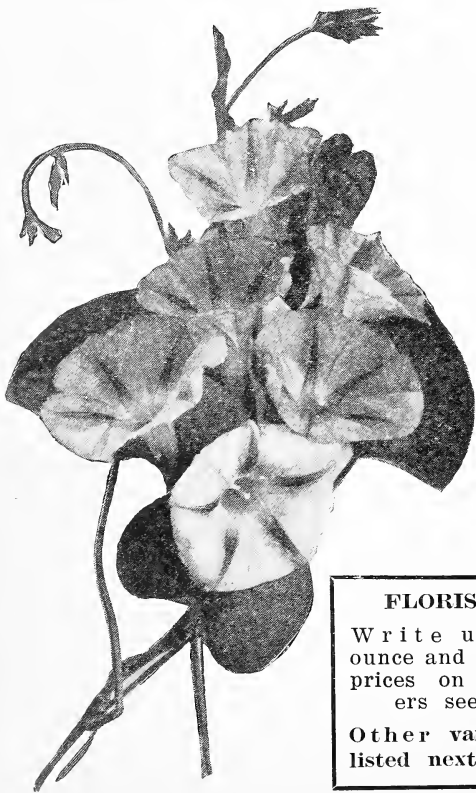
Purple Top Flat Dutch—Strap Leaved. An early flat variety. White with purple top. It matures quickly and has fine grained flesh of fine flavor. It forms early a fine root, even in shape and of the best quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

Cowhorn Turnip—This turnip grows very long, often 12 inches or more, and 2 inches in diameter and nearly half above ground. It is very popular for stock feeding, and is clear white except a little shade of green at the top. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

HIGH GRADE FLOWER SEED

Aster—Queen of the Market.....	10c
Aster—American Branching	10c
Aster—Globe Quilled	10c
Bachelor's Button—Mixed	10c
Balsam—Camelia, Fine Mixed	10c
Balsam—Dwarf Mixed	10c
California Poppy	10c
Candytuft—White	10c
Candytuft—Fine Mixed	10c
Carnation—Marguerite, Fine Mixed.....	10c
Castor Bean—Mixed	10c
Cockscomb—Dwarf Mixed	10c
Chinese Wool Flower.....	10c

Chrysanthemum—White	10c
Chrysanthemum—Mixed	10c
Chrysanthemum—Yellow	10c
Cosmos—Giant Mixed	10c
Cypress Vine—Mixed	10c
Dahlia	10c
Forget-Me-Not—Alpestries	10c
Four-o'clock	10c
Globe Amaranth	10c
Hollyhock—Mixed	10c
Hyacinth Bean—White	10c
Hyacinth Bean—Purple	10c
Hyacinth Bean—Mixed.....	10c
Morning Glory—Sky Blue	10c
Morning Glory—Japanese Mixed.....	10c
Larkspur—Hyacinth Mixed	10c
Marigold—Prince of Orange.....	10c
Mignonette—Machet	10c
Momordica—Balsam Pear	10c
Momordica—Balsam Apple	10c
Moon Flower	10c
Nasturtium—Dwarf Mixed	10c
Nasturtium—Tall Mixed	10c
Pansy—Non Plus Ultra	10c
Pansy—Trimarden Mixed	10c
Petunia—Mixed	10c
Phlox Drummondii—Choice Mixed.....	10c
Pinks—Double China Mixed.....	10c
Pinks—Double Japan Mixed	10c
Poppy—Shirley	10c
Poppy—Double Carnation Mixed.....	10c
Portulaca—Single Mixed	10c
Snapdragon—Finest Mixed	10c
Salvia—Splendens	10c
Stock—German Ten Weeks, Mixed.....	10c
Sweet William—Fine Mixed	10c
Sweet William—Double Mixed.....	10c
Verbena—Hybrida Mixed	15c
Vinca—Periwinkle, White	10c
Vinca—Periwinkle, Rose	10c

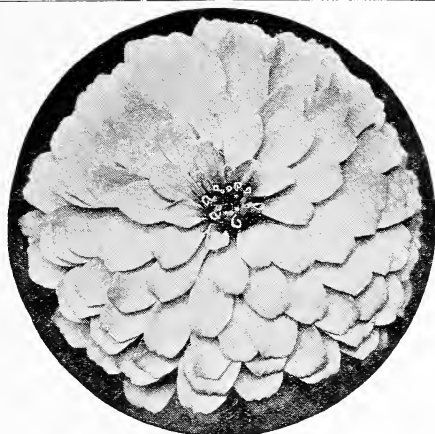


FLORISTS
Write us for
ounce and pound
prices on flow-
ers seeds

Other varieties
listed next page

ZINNIA

Giant Picotee Type—A remarkable new and distinct class with beautiful double flowers, each petal being distinctly tipped with various shades, resembling the Picotee Carnations. Pkt., 20c; ¼ oz., 75c.



Giant Dahlia Flowered Zinnia—Latest development in Zinnias with flowers of enormous size and resembling the decorative Dahlia very much in shape. Mixed colors. Pkt., 20c; ¼ oz., 75c.

SATEX MAMMOTH ZINNIA

Don't Fail to Order Some of These
Wonderful Zinnias

You may have often passed by a bed of mammoth Zinnias, and if you will ask the owner where he procured the seed of same, he will invariably answer that he procured them from us. Our strain of Mammoth Zinnias are known all over the State, and you cannot procure seed anywhere which will give you a better strain than our mammoth variety. This strain produces flowers as large as the finest Dahlias, magnificent in petalage and of the brightest imaginable coloring.

Double Lavender	Pkt., 10c; oz., 75c.
Double Pink	Pkt., 10c; oz., 75c.
Double White	Pkt., 10c; oz., 75c.
Double Red	Pkt., 10c; oz., 75c.
Double Yellow	Pkt., 10c; oz., 75c.
Double Scarlet	Pkt., 10c; oz., 75c.
Double Mixed Giant	Pkt., 10c; oz., 75c.

SWEET PEAS

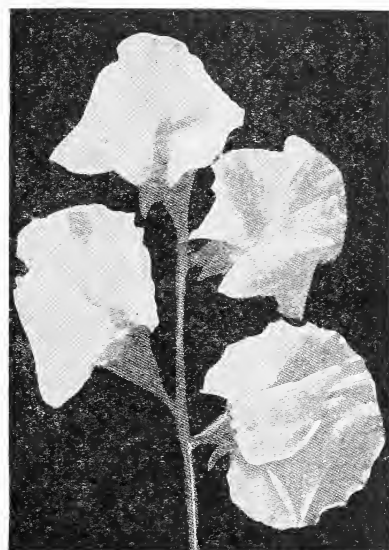
Sweet Peas—Spencer Variety (Mixed) Sweet Peas will grow and blossom in any good garden soil. For best success sow early, as early as the ground can be worked in the spring. Regardless of the weather sow early, in trenches 4 inches deep; cover about 1 inch with soil, and fill the trench as plants grow. Set the support early and hoe often. The Spencer mixture which we offer contains a beautiful mixture of colors and of large, gracefully frilled blossoms.

Superb Spencer Mixed Pkt., 10c; oz., 30c.

TUBEROSES

Mexican Everblooming—The most beautiful Tuberoses that was ever brought to our attention. It begins to produce its fragrant flowers in June and blooms continually until frost. Plant them in good soil and water them occasionally during extreme warm weather, and an abundance of lovely flowers will be the reward. In the southern part of the state the bulbs may be left in the ground all winter. Doz., 40c; 100, \$2.00.

Antigonon Leptopus—(Rosa Montana, Mountain Rose or Queen's Wreath.) A lovely flowering vine, bearing most profusely immense racemes of beautiful rose colored flowers.



SWEET PEAS

Hardy along the coast, but inland it is liable to be killed down by frost but will come away from the ground again the next spring and quickly attain considerable height. Each 35c and 60c.

in the soil. Do not spray on the foliage. No matter how rich the soil may be, these wonderful little tablets will help the plants along.



PLANT FOOD IN TABLET FORM

The modern efficient and scientific method of fertilizing all kinds and condition of growing plants in home garden, orchard and on farms.

Stim-U-Plant—is a 26 grain tablet with a guaranteed chemical analysis of 11% Nitrogen, 12% Phosphoric Acid and 15% Potash. No other plant food contains anything like as high an analysis as this. Stim-U-Plant tablets are composed of water soluble materials of great feeding power and of known weight and percentage of plant food.

Stim-U-Plant tablets should be used directly

TABLET FORM OF GREAT VALUE

1. They give an exact feeding unit.
2. No messy mixing.
3. No unpleasant odor.
4. Maximum efficiency because no food-value lost in scattering, leaching, or run-off of soil surface-water.
5. Makes repotting of plants unnecessary as it replaces the food withdrawn by the growing plant.

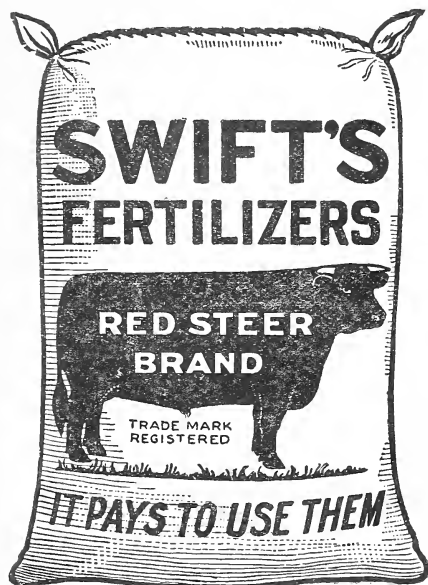
Stim-U-Plant tablets are packed in three sizes:—

Trial Size, 15 cents. Containing 10 Tablets.
Small Size, 25 cents. Containing 30 Tablets.
Medium Size, 75 cts. Containing 100 Tablets.

FEED YOUR GARDEN WITH FERTILIZER SO YOUR GARDEN CAN FEED YOU

For the intensive cultivation of plants in the home garden and grounds fertilizers play a very important part.

The following fertilizers represent the best for the home garden and the lawn:



SWIFT'S FERTILIZERS

NOTE—Prices on all fertilizers are subject to market changes. Write for quantity prices.

Acid Phosphate—16%—It gives excellent results on nearly all crops, but is especially recommended for use on grains and grasses. Lb., 4c; 100 lbs., \$1.75.

Bone Meal—Ground very fine. Acts very quickly. There is no better fertilizer for the home garden than this splendid material. Splendid for rose beds, pot plants, etc., Lb., 6c; 100 lbs., \$4.50.

Lime (Hydrated)—For the sweetening and renovating land that has become sour. It promotes growth and has a tendency to prevent weeds. Lb., 2c; 40 lbs., 55c.

Nitrate of Soda—A fertilizer very quick in action and used for the nitrogen it contains. Will mature a crop several weeks earlier and greatly improves it. Lb., 15c; 100 lbs., \$5.00.

Swift's 12-4-4—For fruit trees and small fruits, garden truck, etc. Quick in starting, lasting in effect, etc. Quick in healthy growth and developing the fruit, fine for all root crops. Lb., 5c; 100 lbs., \$3.00.

Swift's 10-4-7—This brand has been especially prepared for such crops as require a quick, strong fertilizer, should be well mixed into the soil, suitable for all garden truck especially strawberries and watermelons. Lb., 5c; 100 lbs., \$3.25.

Muriate of Potash—To be used liberally, especially for root crops. Lb., 5c; 100 lbs., \$3.75.

Lawn Fertilizers—Especially mixed for lawns. Gives grass a quick and vigorous start and maintains a healthy growth. Lb., 5c; 25 lbs., \$1.00; 50 lbs., \$1.90.



The Best Inoculation
for All Legume Seeds



WHAT FARMOGERM IS: A pure culture of nitrogen-fixing bacteria of highest quality. By reason of the patented stopper, which admits air and excludes contaminations, FARMOGERM is guaranteed for five years—always fresh—always strong and virile.

A Sensible Insurance and a Profitable Investment

We believe in inoculation, we favor the pure jelly medium, and we believe in FARMOGERM. We recommend that all legume seeds purchased from us be inoculated before planting.

(A different culture is required for each legume group, so, when ordering, be sure to state what crops you wish to inoculate.)

NEW LOW PRICES For small seeds—Clovers, Alfalfa, etc.

1/4-bus. size.....	\$0.35	1-bus. size.....	\$1.00
1/2-bus. size.....	.60	2 1/2-bus. size.....	2.25
10-bus. size.....	\$8.00		

Special Reduced Prices on Cultures for Large-Size Seeds,

Soy Beans, Cowpeas, Peas, Beans, Vetches, etc.

1/2-bus. size.....	\$0.35	1-bus. size.....	\$0.60
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Special Garden Size for Garden Peas, Beans, and Sweet Peas, 25 cts.



ODORLESS—CLEAN—EFFICIENT

Sold only in 25 lb. white cotton bags

125 lb. gunnies.....	
1 and 2 lb. packages.....	

No Filler—No Bulk—All Fertilizer

BEST MONEY CAN BUY—BEST EARTH CAN PRODUCE

For Lawns, Flowers, Gardens, Shrubs

House Plants, Fields and Orchards

Book FREE—Tells just HOW

A 25 lb. bag covers a lawn space of 1200 square feet. Lasts a year or more.

A tablespoonful to hill of potatoes, tomatoes or ordinary rose bush means abundant flowers, crisp and early vegetables.

A teaspoonful for 6 to 8 in. potted plant. Ferns love it. Fully Guaranteed.

DISTRIBUTOR

1 Lb. Package	25c
2 Lb. Package	50c
25 Lb. White Cotton Bag.....	\$3.00

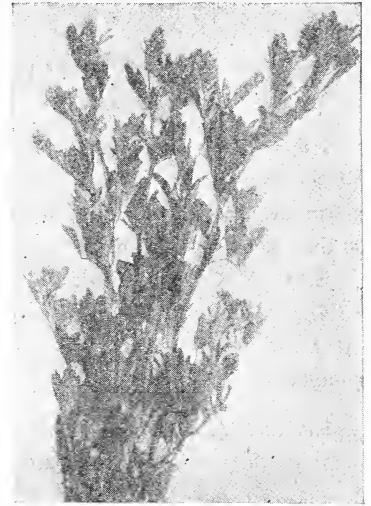
FIELD SEEDS

The varieties of field seed listed are adapted to the climatic conditions of Southwest Texas. They are grown for us by one of the best growers of field seeds in the state, and you will find them of the best quality and true to name.

(Owing to market changes we are unable to quote quantity prices in catalog so will thank you to write us asking quantity price. It will pay you.)

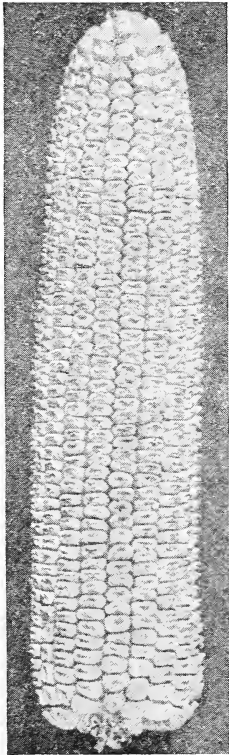
ALFALFA

Hairy Peruvian Seed—Facts you should know. It is impossible to distinguish Hairy Peruvian from other varieties of Alfalfa seed. Plant five pounds more to the acre than other varieties, must have thick stand to give you good quality hay, otherwise stems will be very woody. Plants grow taller, stems larger with hair on full length of stem; also hair on under sides of leaves. Color of leaves grayish-green, with the veins in them showing very prominent. **Lb., 45c; postpaid.**



SEED CORN

25c per lb., postpaid



Surecropper

Giant Strawberry—We consider this to be the finest variety of corn to grow for feed. It is very productive and makes fine big ears. First-class seed of this variety is very scarce this year.

Hickory King—Has the smallest cob of any corn grown. Makes a very large, white, flat grain and is very largely planted for roasting ears.

Bloody Butcher—The standard variety of large, red grain corn. Enormous yielder.

SureCropper Corn—A truly remarkable drought resisting power. As old as is the history of corn growing in the South and Southwest is the search for a corn able to hold up and make a crop on the scanty moisture which we have in so many fields at some period of almost every season. In Surecropper we have found that corn.

Giant White Red Cob—Makes a very large ear of the finest corn. Grains very large, deep, wide and thick, cob red, very popular wherever tried. We recommend this as being the finest variety of White Red Cob Corn. Has a very large, deep, wide, thick grain. Grains of medium size.

Giant Yellow—This beautiful yellow Corn is deeply grained and very uniform in size. It is a sure cropper and good yielder. Matures in 90 to 100 days.

Native Squaw Corn—A drought-resisting variety, plantable in the summer months. It has blue and white grains, therefore not so desirable by the market gardener. However, it makes a sweet and very juicy roasting ear.

Texas Grown June Corn—The stalks under favorable conditions grow from 7 to 8 feet high, and yields from 30 to 60 bushels to the acre. For best results it should not be planted until June or July, as it stands the hot weather better than any corn. Seed can be procured at any time after May 15th.

Champion White Pearl—An extra early pure white variety of dent corn. Matures in 100 days from time of planting, is very productive and the ears are exceedingly heavy. The grains are extra deep and white, and the cob is very small. A great favorite.

Yellow Shoepeg—An excellent long thin grained yellow variety, excellent drouth resister, matures in 90 days. An excellent variety for the dry land farmer.

POPCORN

There is always a good market for Pop Corn, and every corn grower should plant it.

White Rice—This is the best variety of white Pop Corn for popping. **30c, postpaid.**

Jap-O-Rice—A newer variety. Cob small, grains long and slender. Used by nearly all commercial poppers. A really wonderful variety **Lb., 35c, postpaid.**

NOTICE

Owing to the fact that a great many merchants sell country run seed to the trade, we are forced to put out two grades of grain sorghums, the Satex Standard brand, which is thoroughly re-cleaned and tested, and is put up for the trade who desires quality. If you desire the other grade, we can supply same at competitive prices. Quality Seeds pay in the long run, and we can recommend Satex Standard Brand as the highest quality.

NON SACCHARINE SORGHUMS

Dwarf Straight Neck Yellow Milo Maize—This variety is the most popular Milo Maize and stands the drought well. It is earlier than Kaffir Corn and White Milo Maize, and very prolific. Stock seems to prefer it to corn, and it has a laxative effect on them, keeping them in good condition. **20c lb., postpaid.**

Dwarf Black Hull White Kaffir—It makes a straight upright growth and has a strong stem with enormous wide leaves. The stalks keep green and are brittle, making excellent fodder, either green or dried, which is highly relished by cattle and horses. The heads form at the top of each stalk. For the grain sow in rows 3 feet apart, 3 to 5 pounds of seed to the acre. For fodder sow one-half to one bushel, either broadcast or in drills. **20c lb., postpaid.**

Feterita—The best drought-resisting nonsaccharine sorghum, and pretty well known in this state. Earlier than Kaffir Corn, and a very heavy yielder. The grain is similar to Milo, but is pure white and also larger and softer. It does not shatter badly and yields as high as 80 bushels to the acre. **20c lb., postpaid.**

Shallu or Egyptian Wheat—This grain grows something like Broom Corn. It stools out from the root, making from three to six stalks. It has been planted in almost every section of Texas and has produced splendid crops. It is very productive, making an enormous yield of grain and fodder, and has given great satisfaction to every grower. Shallu or Egyptian Wheat should be sown in drills three feet apart, using from five to ten pounds of seed per acre. **Lb., 20c.**

Hegari, the New Grain Sorghum—Some years ago when Kaffir Corn, Milo Maize and Feterita were introduced into the dry-land farming crop catalog many people probably imagined that the limit in grain sorghum development had been reached; but that is almost certainly a mistake. We have abundant reason to hope for greater things yet. The new grain Sorghum Hegari, while it is too recent an introduction to justify settled conclusions, certainly promises in some respect, to out-merit all of its predecessors. **Lb., 20c.**

Shrock Kaffir Sorghum—This is a comparatively new grain which was originated in Oklahoma and has been planted in Texas for several years. It is claimed to be one of the finest of the sorghums for forage and ensilage as it is quite sweet and grows an abundance of broad, long leaves. It is a wonderful grain to stool out, not unusual for one seed to send up six to ten stalks each making a fine head of large, light brown grains, which make an excellent stock and poultry food, one of the best drought resisters, of the sorghum family. Our seeds are acclimated. Drill at the rate of 3 to 5 pounds per acre. **Price: lb., 20c.**

True Darso—This wonderful sorghum is neither saccharine nor non-saccharine. It originated in what is called a "spor" stalk brought in by a farmer in 1912 to the Experiment Station at Stillwater, Oklahoma. After 8 years experimenting Dean Knight stated it was the best silage and feed crop, and the people of Coryell County, Texas, seem to indorse same, as they are rather enthusiastic about it. — Darso does best on heavy loams or black land, but also does well on sandy soil. For feeding purposes, it is probably the best grain-fodder, and silage crop for this section. It will cross with other grain sorghums if planted near them. Six pounds of seeds will plant an acre. **Lb., 20c.**

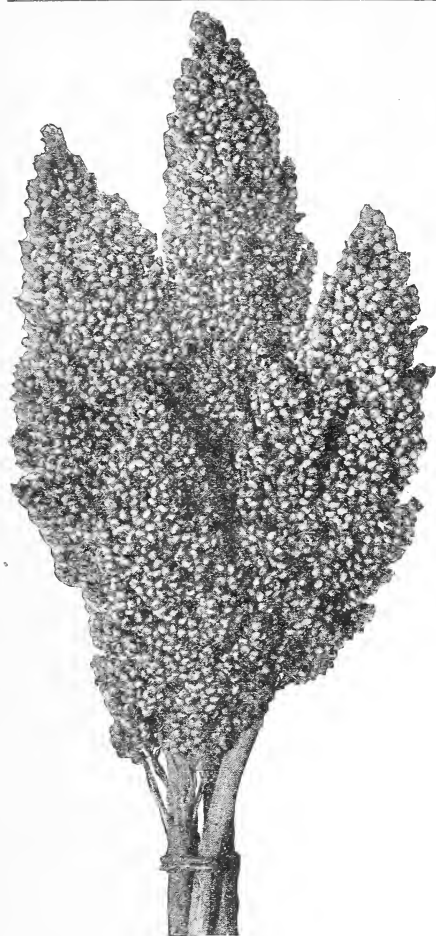
SACCHARINE SORGHUMS

Red Top or Sumac Cane—This is the most popular variety for our state, and the one is most generally planted. Seed is smaller than that of the Orange or Amber. Produces an immense quantity of fodder. **20c lb., postpaid.**

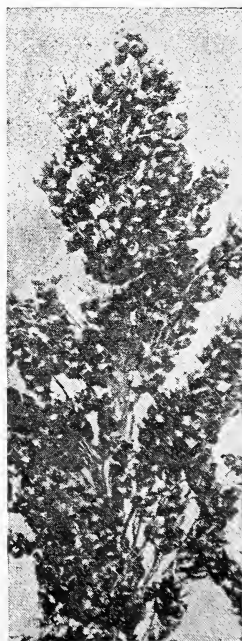
Early Orange—This variety has taller and heavier stalks than any variety of cane. It is not quite as early as the Early Amber, but is a better producer, and is better for syrup-making. **20c lb., postpaid.**

Early Amber—This is the earliest sort, and makes fine hay, which is relished by all stock. **20c lb., postpaid.**

Japanese Honey Drip—Known in some sections as Japanese Seeded Ribbon Cane. It makes an unusually large stalk, sometimes as large in diameter as Ribbon Cane and much taller. Yields as much as four to five hundred gallons of the very best syrup to the acre. **35c lb., postpaid.**

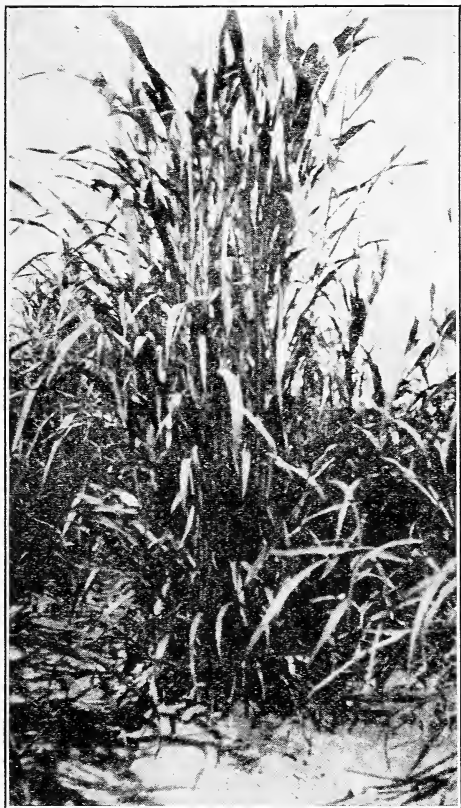


Feterita



Honey Drip

GRASS SEED



Sudan Grass

Sudan Grass—The great hay and forage crop. This wonderful new grass seems to be taking the country by storm. This grass has been grown very extensively in Texas the past season and has been tested out in a number of other states and the verdict is unanimous everywhere it has been grown it spells success. It seems to grow successfully on all kinds of land, stands dry weather and does not blight under ample rainfall. Sudan Grass is thought to be the original wild form of the cultivated sorghums. It is an annual, the seed having to be sown every year. It looks very much like Johnson Grass when growing but has a different root growth. Johnson Grass reproduces itself from underground root stalks as well as from the seed. Sudan Grass will not sprout from the roots after frost has killed the plant. Ranges in height from five to ten feet, stems small and somewhat more leafy than Johnson Grass. Like the sorghum crops, it must be planted each spring and dies when the frost comes. **30c lb., postpaid.**

Rhodes Grass—A substantial grass of African origin and introduced into the United States a short time ago. Has proven since then as one of the best species for pasture or dry soil and is of great agricultural importance. It is a perennial sort which does not spread by underground rootstocks, but produces running branches which root at the joints, thereby producing new plants. It grows from three to four feet high, with a large number of very long, narrow and tender leaves. **\$1.00 lb., postpaid.**

Bermuda Grass—Almost everybody living in this section of the country knows this grass. It is planted as a lawn grass, and nothing will stand the sun better, or will make a prettier carpet, when kept short, than this grass. It is also very valuable as a pasture and hay grass, which therefore had to be propagated by the roots. **\$1.25 lb., postpaid.**

English Rye Grass—Is largely sown by our landscape gardeners for winter lawns on Bermuda soil. The Bermuda blades being easily affected by frost, become red and rusty looking, while English Rye during winter presents a most beautiful appearance, being of a vivid green, and as the Bermuda during April and May makes its appearance it overgrows the English Rye, causing the latter to decay and act as a fertilizer to the existing grass. It should be sown from September to March at the rate of 3 to 4 bushels of seed per acre. **35c lb., postpaid.**

COW PEAS

Whippoorwill—Has brown, speckled seed, easily gathered on account of the upright, bushy growth of the plants. The most generally planted pea on the market, being one of the earliest and best varieties on the market. **20c lb., postpaid.**

Blackeye—Grown extensively, as the dry peas find a ready market during the winter. The vines furnish excellent forage, and produce large quantities. **30c lb., postpaid.**

Cream Peas—This is the most beautiful table Peas we have ever had the pleasure of offering our customers. It has given best satisfaction of any variety we have ever offered for table use, and very deservedly so, as there are none that can surpass it in splendid flavor. In point of yield they double the well known Blackeye, command a higher price on the market, cook quicker and are in every way superior to it as a table sort. It grows in bunch form. Peas are of a cream color. **25c lb., postpaid.**

Pink Beans—Grown extensively as a dry bean and finds a ready market. **Lb., 25c, postpaid.**

Pinto Beans—Grown mostly for a dry bean but makes a good snap bean when the pod is young and green. Pods flat and tender. **Lb. 25c, postpaid.**

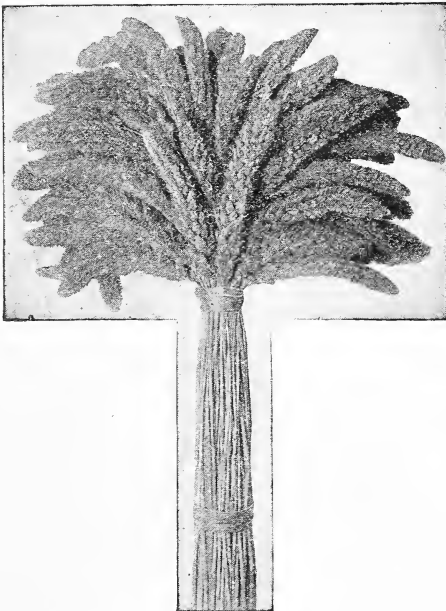
Brown Crowder—An excellent bearer and vines make a splendid forage. Planted extensively as a dried pea. **Lb. 25c, postpaid.**



Cow Peas

**MILLET**

Fancy Big German—The most popular of all the Millet for hay or seed. It matures in six to eight weeks after planting. If wanted for hay, it should be cut while in bloom, as the hay quality decreases as soon as the seed hardens in the head. Our variety of Millet is the best and you will find it superior to any variety. 20c lb., postpaid.



Hog Millet—The seed is large for a Millet and makes a rich food. Good for hogs or chickens. The seed ripens while the stem is yet green, so that if cut promptly you can get a crop of seed and also one of fodder or ensilage. Lb., 20c.

RAPE SEED

One of the best forage crops on the market, making excellent feed for hogs, sheep, cattle and poultry. Very similar to Collard greens, and may be cooked and eaten like Collards. Sow at the rate of three pounds to the acre.

Dwarf Essex—This is considered the most desirable variety of Rape, and should be planted on every farm and in every garden. Furnishes rich, nutritious pasture and green feed six to seven weeks after planting. 30c lb., postpaid.

PEANUTS

Spanish—The earliest variety grown, pods are small, but remarkably well filled and solid, and the yield per acre is very large. Can be cultivated with the plow. Because of its early habit and easy cultivation it is best variety to grow for fattening hogs. 25c lb., postpaid.

White Jumbo—This is the standard variety for roasting. The peanuts are three times as large as those of the ordinary Spanish peanut. The nuts proper grow in fine double jointed hulls of beautiful white appearance, are from one-half to one inch in length, and of fine flavor. An excellent variety worthy of the highest recommendation. 30c lb., postpaid.

MANGEL WURZEL BEETS**Giant Feeding Sugar Or Half Sugar Mangel**

—A beet which is superior to Mangels for stock feeding purposes, as it is more nutritious, having a large amount of sugar. It is oval in shape and grows partly out of the ground. It is of large size and yields enormous crops. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Improved Mammoth Long Red—The largest of all the Mangels and the heaviest cropper. Skin is red, flesh white zoned with red. This variety produces a larger amount of good feed than any other beet, and is recommended as superior to all others. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

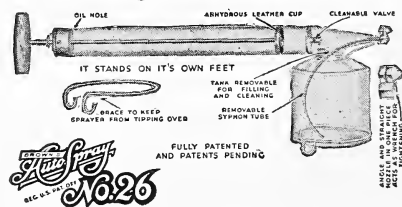
SUNFLOWER

Mammoth Russian—Produces very large heads sometimes 15 inches across. The seeds are valued very highly as a feed for poultry. The seed can be planted on a waste piece of ground any time in the early spring and until the middle of July. Should be sown at the rate of about three pounds to the acre. Lb., 30c, postpaid.

SPRAY PUMPS

We carry in stock two styles of Hand Sprayers, No. 2 and No. 4. They are made of good grade material, and will give good service.

Pt. No. 2 Hand Sprayer (not postpaid) 35c.
Qt. No. 4 Hand Sprayer (not postpaid) 50c.

It Sprays Continuously

The Continuous Sprayer has a feature which will give you a continuous spray as long as there is any air left in the tank, and for this reason is used a great deal, as it is not fatiguing to operate same.

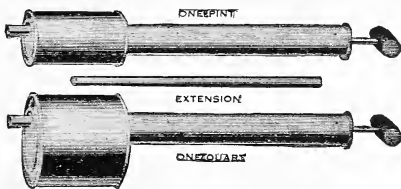
Continuous Sprayer (not postpaid) \$1.25.

LOWELL POWDER GUN



Lowell Powder Gun.—This sprayer is easy of operation. Fill reservoir with dry powder, such as Hammonds Slug Shot, Bug Death, Paris Green, Hellebore, Powdered Arsenate of Lead, etc. Size of spray regulated by operation of plunger. Elbow reversible, enabling operator to spray up or down. **\$1.00.**

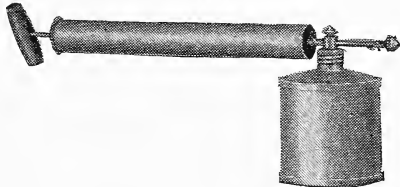
DUSTER BROWN NO. 2



A very practical, inexpensive duster of new design. It is of simple construction, single acting. **USES**—For spraying dust on small garde nplots, rose bushes or in any place where dust is to be applied in small quantities. It is especially adaptable for use in applying insect powders. Shipping weight 2 lbs.

1 Pint Size75c

THE G-V CONTINUOUS SPRAYER



The G-V Continuous Variable All-in-One Sprayer is the only sprayer on the market that can be used as a fire maker, pipe thawer, flame sterilizer and oil generator besides being a perfect sprayer for insecticides, disinfectants, lubricating oil, paints and lacquers.

G-V No. 1, Tin—Shipping Weight 2 Lbs.....**\$1.50**

G-V No. 2, Brass—Shipping Weight 2 Lbs... **2.50**

VERMOREL ORANGE DUSTER

Annoyance and loss of time due to choking is entirely eliminated through correct agitation insured by the brush agitator.

Single Action, Bel-lows Type.

Very light and compact in construction. Weight eleven pounds; capacity six quarts—nine to fifteen pounds of material.

Price**\$15.00**



HUDSON PERFECTION SPRAYER



Has a tank made like a steam boiler. The all-riveted seams give the necessary strength for developing a high pressure, which is absolutely essential for good results. The all-brass pump is placed inside the tank and is easily removed.

For work of any kind requiring a high pressure compressed air sprayer the Perfection is supreme. It can be used around the

house and yard, in the barnyards and out-houses, on truck farms, in vineyards, potatoe, onion and melon fields, and in all sizes of orchards. It is an easy and economical means of whitewashing, disinfecting, deodorizing, cold water painting, etc. A first aid to the paper hanger for removing old wall paper, is also used to preserve humidity in tobacco warehouses and work-rooms. Will work wonders for the farmer in treating his cattle, hogs, poultry, sheep, etc.

No. 140G Galvanized Tank, 1½ Gal.....\$4.50

No. 110G Galvanized Tank, 3½ Gal.....\$6.50

No. 110B Brass Tank, 3½ Gal.....\$9.00

Shipping Weight 12 Lbs.

BROWN AUTO SPRAY NO. 9

Has a tank made of heavy non-corrosive sheet brass or galvanized steel, air pump and syphon tube of seamless brass tubing; pump handle of sturdy malleable iron. The air pump located inside solution tank is made absolutely air-tight by a locking device of collar and locking nut of brass. Capacity of tank 3½ gallons. Shipping weight 12 lbs.

No. 9B—Brass tank\$9.00

No. 9D—Galvanized tank 6.50

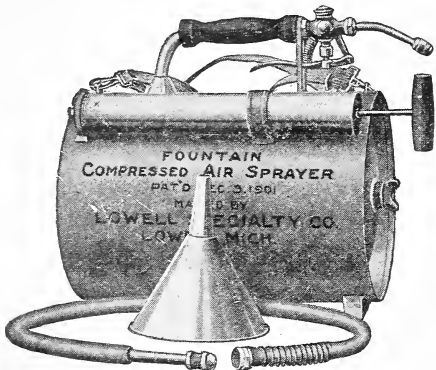


BROWN AUTO SPRAY NO. 50

This spray pump is almost identical to Auto Spray No. 9, but has a smaller capacity holding about 2½ gallons. Shipping weight 7 lbs.

No. 50D—Galvanized tank\$4.50

LOWELL COMPRESSED AIR SPRAYER



The Lowell Fountain Compressed Air Sprayer is well adapted for the fruit grove, farmer, stockman, poultryman, florist, and for use of general disinfectants. It is the strongest small tank sprayer ever made, being constructed of heavy sheet brass or galvanized steel.

No other sprayer made will stand one-half the pressure. Every sprayer when completely assembled is tested by air to 60 pounds to the square inch, while the pressure in service never exceeds 35 pounds no safety valve or indicator is needed with the Lowell Fountain Sprayer. Holds three gallons.

- Price:
- No. 111 Brass, polished and lacquered \$8.75
 - No. 110 Galvanized Steel aluminized \$6.50
- Shipping Weight 12 lbs.

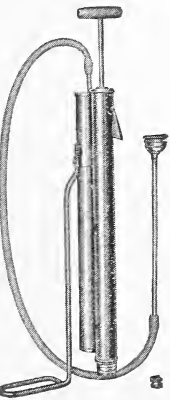
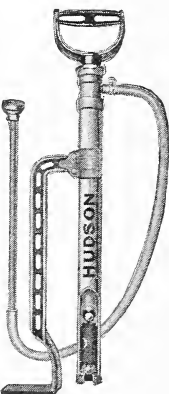
LOWELL BABY FOUNTAIN COMPRESSED AIR SPRAYER

- Capacity of tank, one gallon
- No. 120 \$4.50

HUDSON BUCKET PUMP

The best all-around Bucket Pump on the market. Made of good heavy material, and will last a life-time. It is the best all-around pump for the average poultryman. \$5.00

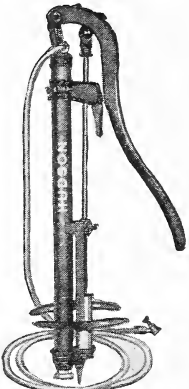
Shipping Weight 7 lbs.



BROWN BUCKET PUMP

A medium priced bucket pump, capable of doing all the spraying for the average poultryman and farmer. Made of good material and with proper care will give long service. \$2.75 not postpaid.

BARREL SPRAY PUMP



In our No. 4, we have developed a pump that will meet every requirement of a perpendicular Barrel Pump. It is powerful, light and durable and will develop better than 250 pounds pressure with ease. Can be used with either one or two lines of hose.

No. 4A--Outfit consists of No. 4 Pump, 121½ feet ½ inch Sprayer Hose and Fog Nozzle\$14.00

ANGLE FOG NOZZLE

This nozzle is especially recommended for spraying the underside of the leaves of vine crops. Each75c



INSECTICIDES AND FUNGICIDES

Write for quantity prices

Prices quoted f. o. b. San Antonio, Texas.

Slug Shot, Hammond's--Guaranteed to destroy potato bugs and those in tomato and egg plants, currant worms, cabbage lice and worms. 1 lb., 15c; 5 lbs., 60c.

Vaycide Forty--Very effective in destroying aphids, may be dusted or sprayed. Lb., 35c; 3 lbs., 95c; 5 lbs., \$1.40.



FOR THE HOME GARDNER

SPRAY-TABS

BORDEAUX-ARSENATE TABLETS

Spray Tabs--A combined insecticide and fungicide. A convenient spray material in tablet form for the destruction of leaf eating insects and the control of plant diseases, eliminating mixing poisons from bulk packages. Especially put up for home gardens. Packed in 3 sizes, 15c, 30c, and 85c, postpaid.

Dry Milled Sulphur--A fine powdered sulphur used for blight or mildew and red spider. Also used to mix with salt for feeding stock. Lb., 10c; 12½ lb., \$1.00; 100 lb., \$6.50.

Insecticides are
not mailable

INSECTICIDES AND FUNGICIDES

Fungicides are
not mailable



Acme Garden Guard—No Sprayers, No Water, No Mixing. Dust on plants from sifter top carton or through burlap sack. Acme Garden Guard is the strongest garden insecticide of its type on the market—yet safe to use. Ideal for the housewife to use.

For Use On

Cabbage, Cauliflower, Tomato Plants, Melon Vines, Currant and Gooseberry Bushes and other vegetables, flowers and shrubs of many kinds.

The Bordeaux Mixture in Garden Guard acts, in a measure, as a fungicide.

Prices: 1 lb. sifter carton, 25c; 5 lbs. paper bag, 65c.

Acme 2-Way Spray—An approved balanced Insecticide and Fungicide containing 14% Arsenate of Lead and 83% Bordeaux Mixture—2 results with one spray.

Controls Insects. Combats Blight, Stimulates Foliage.

Easy to apply—wet or dry—For dusting, apply lightly, as it comes in the package.

Prices: ½ lb. carton, 30c; 1 lb. carton, 50c; 4 lb. paper bag, \$1.50.



Acme London Purple—Costs Less; Results Best. London Purple has for years been the South's favorite control for the cotton worm, and, possessing better sticking power than most other insecticides, makes it a favored spray for potatoes and tobacco.

An ideal insecticide to dust.

Prices: ¼ lb. carton, 15c; 1 lb. carton, 50c; 4 lb. bag, \$1.50.

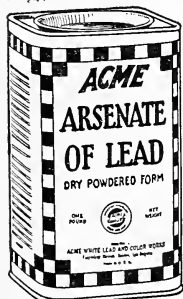
Acme Lime Sulfur—Acme Lime Sulfur is a standard 33° Baume Lime and sulphur solution, converted into dry powdered form, having all the effectiveness without the bother in handling.

For dormant spraying in the fall or early spring against Scale, Peach Blight, Leaf Curl and Twig Borer, use 9-11 tablespoonsfuls to 1 gallon of water.

For summer spraying against Scab, Soot and Blotch, use from 2½ to 3 level tablespoonfuls to 1 gallon of water.

½ to 3 tablespoonfuls to 1 gallon of water will control Red Spider and Mites.

Prices: 1 lb. can, 35c; 5 lb. can, \$1.50; 10 lb. can, \$2.50.

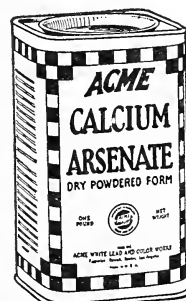


Acme Arsenate of Lead—It kills the bugs, sticks to the leaves and does not burn or injure the foliage.

While these qualities make it the favorite spray for fruit trees, it also gives splendid results on vegetables and tobacco.

Arsenate of Lead is recommended to control leaf eating insects.

Prices: ½ lb. carton, 30c; 1 lb. carton, 50c, 4 lb. bag, \$1.50.



Dry Calcium Arsenate—For dusting on cotton for eradicating the boll weevil, etc. 1 lb., 45c; 5 lbs., \$2.00.

Copper Sulphate (Blue Stone)—Used for making Bordeaux mixture. 1 lb., 20c; 100 lb., \$15.00.

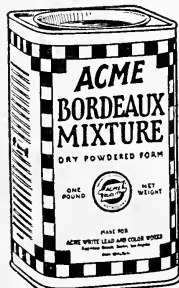
Copperas (Sulphate of Iron)—A splendid neutralizer of alkali in the soil. Used at the rate of one pound to 5 gallons of water to each tree. Has saved many trees and shrubbery that had practically shed

all of the leaves. Fine for lawns, etc. 1 lb., 7½c; 100 lb., \$5.00.

Tobacco Dust—Most effective against the cabbage fly and worms which are so injurious and destructive to cabbage and cauliflower plants, and to cucumbers and melons. 15c lb., postpaid.

Acme Paris Green—The deep, rich emerald color stamps Acme Paris Green as a standard of quality. Always uniform, fluffy and free running, it assures the user of maximum results. When used dry will not clog the dusting machinery.

Prices: ¼ lb. cartons, 20c; 1 lb. cartons, 50c; 4 lb. cartons, \$1.50; 14 lb. kits, \$4.50.

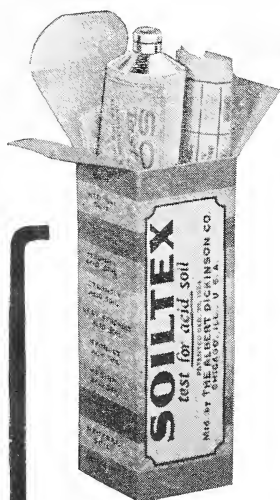


Acme Bordeaux Mixture—Prevents large losses caused by blight, rot, mildew, scab, anthracnose, and certain other fungous diseases, will stimulate plant growth and greatly increase the harvest.

Prices: 1 lb. carton, 50c; 4 lb. paper bags, \$1.50.



Black Leaf "40"—A concentrated solution of nicotine sulphate. Very effective in combating aphids or plant lice. 1 oz., bottle 35c; ½ lb., can \$1.25; 2 lb., can \$3.50; 10 lbs., \$13.50.



For Lawns, Golf Courses, Vegetable and Flower Gardens, SOILTEX provides a simple and economical means of testing the acidity of the soil and determining what treatment it requires.

SOILTEX

test for acid soil

Does Your Soil Need Lime?

How Much Does It Need? Will it Pay?

"Lime, Legumes and Inoculation"—this has come to be the slogan of the progressive farmer who wants to grow better crops and increase the fertility of his farm. Alfalfa, Red Clover, Sweet Clover, all require lime. Most other crops are benefited by it. Lime corrects acidity, sets free plant-food, improves the texture of the soil, and is necessary to the activity of nitrogen-gathering bacteria.

Save Money by Testing Your Soil

To apply less lime than is required, or to fail to apply it when needed, means loss of fertility and poorer crops. To apply more lime than your soil needs is wasting labor and money. Either way, you save money by testing your soil and knowing exactly what treatment it requires.

SOILTEX Tells What Your Soil Needs

With Soiltex, a new quick, easy and accurate soil testing method developed at the Michigan State Agricultural College, you can determine exactly in a few minutes whether your soil is acid, and how much lime it needs. Each outfit will make 75 to 100 tests. Full directions, color chart and lime table included. No special knowledge or equipment required. Costs less than 2 cents per sample tested. Soiltex will save you money.

SOILTEX Pocket-size Soil Testing Outfit, with color chart and lime table . postpaid **\$1⁰⁰**



SEMESAN
SEMESAN Jr.
SEMESAN Bel

The Premier Seed Disinfectants

Control Diseases

Hasten Germination

Produce Sturdier Plants

Increase Crop Yields

Improve Quality

IN ALL
PACKAGE
SIZES



Opinions of Experienced Users

Semesan is recognized by the U. S. Department of Agriculture and the Green Section of the U. S. Golf Association as the best fungicide for preventing and curing both large and small "Brown Patch" of grasses.

In Southern Idaho, Semesan-treated beans, with their 20 to 40% increased yields, so convinced prominent growers that they unite in saying they: "will always use Semesan for treating bean seeds, as well as their other crops."

Florists write us such tributes as: "We used Semesan on poinsettia cuttings last summer with excellent results;" and "My Semesan-treated aster seeds gave an almost perfect stand as nearly every seed germinated."

The U. S. Department of Agriculture's Circular No. 376 recommends treatments with Semesan as the most successful means known for preventing and controlling the "Crown Gall" disease of apple grafts.

The U. S. Department of Agriculture, in collaboration with the Illinois and Iowa State Experiment Stations, demonstrated that Semesan Jr. was a most effective dust disinfectant for controlling the diseases and increasing the yields obtained from infected field and sweet corn seeds.

The Idaho Agricultural Experiment Station reported that Semesan Bel: "—when applied to the uncut presprinkled tubers (potatoes) at the rate of three ounces to the bushel gave better control under field conditions than any other treatment tested."

SEMESAN—This modern disinfectant can be applied in either the liquid or convenient dust form to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, seed pieces, plants, grafts and soils. Semesan is harmless to seed and plant life but extremely poisonous to disease and fungous organisms. It generally also hastens germination, produces sturdier plants, promotes earlier maturity and increases both the quantity and quality of crop yields.

SEMESAN JR.—A less expensive but equally effective form of Semesan for the dry dust disinfection of both field and sweet corn seeds against the ear, root and stalk rots. Under Government-conducted field tests, with Diplodia and Gibberella infected seeds, Semesan Jr. successfully prevented or controlled these diseases and at the same time increased the yields from 10 to over 40%.

SEMESAN BEL—Applied to whole or cut seed potatoes, either as a dry powder or a whitewash-like water mixture, Semesan Bel will prevent or control the common seed-borne potato diseases. In widely separated potato-growing sections it has caused quicker sprouting, earlier maturity and greater yields.

Prices For Du Pont Semesan

Semesan Jr.		Semesan Bel	
2 ozs.	\$.50	1 lb.	\$ 1.75
8 ozs.	1.60	5 lbs.	8.00
1 lb.	2.75	25 lbs.	37.50
5 lbs.	13.00	100 lbs.	140.00
25 lbs.	62.50		
50 lbs.	122.50		
100 lbs.	240.00		
350 lbs.	822.50		

Semesan Disinfectants Make Good Seeds Grow Better—Send for Free Booklets

GARDEN TOOLS

FOUR-TINE SPADING FORKS



Old X—Spading Fork. Four tempered steel tines. Strap ferrule. Iron D handle. **\$1.35** each.

Old. S. P.—Spading Fork. Same construction as OLDX only a little lighter built. **\$1.10** each.

STEEL GARDEN HOES

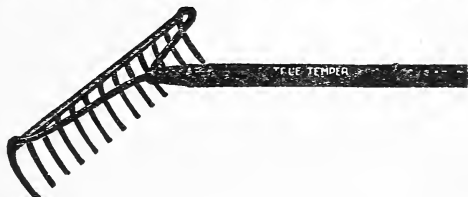


R7—Shank Pattern Standard Quality Strong and Durable, Tempered 7 inch Steel Blade. 4 1/2 foot hardwood handle. **45c** each.

SMO 8—Solid Socket Steel Garden Hoe. Tempered 8 inch steel blade, one piece steel socket. Selected 4 1/2 foot hardwood handle. **85c** each.

No. 2P—Weeding Hoe. Sheet Steel Blades, Iron Shanks, 3 inch Blade. Two prongs. 4 1/2 foot handle. **40c** each.

STEEL GARDEN RAKES



SB14—Steel Garden Rake. 14 spring tempered teeth. Bows well braced. Hardwood handle. **85c** each.

B14—Solid bow steel rake. 14 curved teeth spring tempered. 5 1/2 foot hardwood handle. **\$1.10** each.

MOE'S GARDEN TROWELS

No. 80 Garden Trowel. One piece



pressed steel. Handsomely finished in black baked enamel. Length of blade 6 in. Ground and polished points. Each **25c**.

MOE'S TRANSPLANTING TROWELS

No. 81. Transplanting Trowel. One piece pressed steel. Handsomely finished in black and baked enamel. Length of blade 6 in. Width 1 3/4 in. Ground and polished points. Each **25c**.



MOE'S STEEL GARDEN WEEDERS

No. 82. Garden Weeder. One piece pressed steel. Handsomely finished in



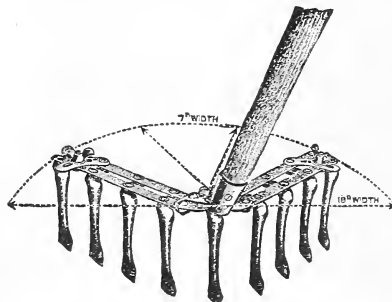
black baked enamel. Has five steel fingers, and is one of the most useful and handiest garden tools made. Ground and polished points. Each **25c**.

LONG HANDLE SHOVELS



No. KL02—Knox All-No. 1 Northern Ash Handles. Blades 9 1/2"x11 3/4", weight 5 lbs. each; **\$1.40** each.

PULL-EASY GARDEN CULTIVATOR



No. PEJ4—Same as PEC. Has 4 teeth adjustable 2 to 6 inches wide. Each **75c**.

No. PEC—Adjustable 6 to 18 inches wide 9 teeth. All steel parts enameled Royal Blue. French Polished handle 4 1/2 feet long. Middle tooth removable for cultivating rows of small plants on both sides at the same time. Better than a rake for preparing the soil. Each **\$1.25**

HUDSON GARDEN PLOW

A counterbalance plow, with a 24-inch high wheel made of the very best material and most careful workmanship.

This is a good, strong, durable tool and can be used in the largest gardens. Is very popular and the best of its kind. Shipped with tools as shown. Weight 28 pounds. No. 242, Each **\$4.00**.



CYCLONE SEED SOWER



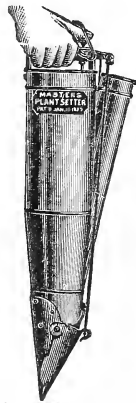
A machine of very simple construction. This sower will sow any seed that is sown broadcast, such as Oats, Wheat, Rye, Millet, Clovers, Grass Seeds, etc. It can be very easily adjusted to suit the seed being sown.

We sell a world of

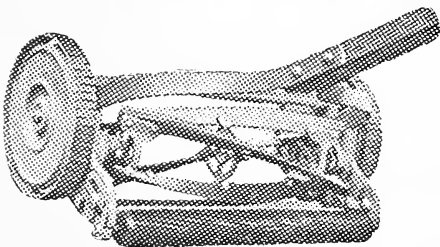
them every year and our customers say they give good satisfaction. **\$2.25** each; customers paying transportation charges. Mailing weight 6 pounds.

MASTER RAPID PLANT SETTER

Makes transplanting a pleasure instead of a labor. Will set, water and cover in one operation, such plants as Cabbage, Cauliflower, Celery, Pepper, Tomatoes, Sweet Potatoes and Strawberries. One man can set 10,000 plants daily. You work in an upright position all the time; no stooping and no lame backs. Each, **\$6.00**.



BALL BEARING LAWN MOWERS

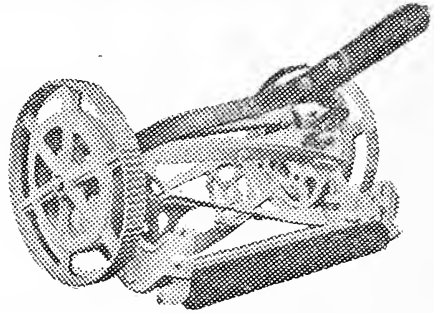


Colonial Lawn Mower—A first class ball bearing machine which can be purchased at a price within reach of all. 8-inch driving wheels. Four blade revolving cutter insuring fineness and evenness of cut, adjustable bearings, 14 inch **\$10.00**, 16 inch **\$10.50**.

Amazon Lawn Mower—A strictly high-grade ball bearing Lawn Mower. Large driving wheels and fine cut gears insure ease and quietness of running. Large diameter revolving cutter with blades, patented adjustable ball bearings. 14 inch **\$13.50**; 16 inch, **\$14.50**.

ADJUSTABLE GRASS CATCHER

Designated to fit any size or style of mower and can be attached or detached in a moment. Made of strong canvas and galvanized iron bottom. To fit any mower, 12 to 18 inch. **\$1.00** each.



Great Southern Lawn Mower—Open side frame and drive wheels reduce the weight making it a light and easy mower to handle. Height of wheels 10 inches. Large open four blades revolving cutter. Coldwells patented adjustable ball bearings. 14 inch **\$12.25**, 16 inch, **\$13.00**.

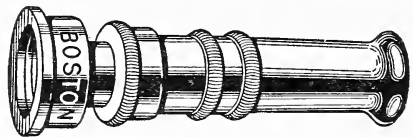
MOLDED RUBBER GARDEN HOSE

SEAMLESS-NON-KINKABLE-DURABLE



Made with two seamless double braided jackets over a tube of high grade rubber incased in a heavy moulded rubber outside cover. We recommend this hose for long service. ½ inch hose 25 feet length **\$2.75**; 50 ft. length **\$5.00**; ¾ inch hose 50 ft. length **\$5.50**. These prices include couplings.

HOSE NOZZLE



Hose Nozzle—Boston Pattern Brass Hose Nozzle. **75c** each.

RING SPRINKLER

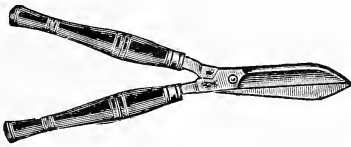


Ring Sprinkler—Made entirely of brass and distributes water evenly over a large area. **85c** each.

RUBBER HOSE WASHERS

Made of good grade rubber, will fit ½ and ¾ inch hose. **10c** per dozen.

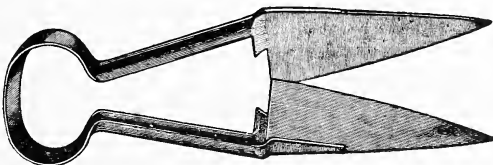
HEDGE SHEARS



Blades hand forged from crucible steel, noched, off set shank. Tangs bolted clear through the wooden handles.

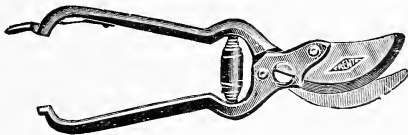
6 inch, Plain handle	\$1.00
6 inch, Polished handle	1.50
8 inch, Plain handle	1.50
8 inch, Polished handle	2.00

GRASS SHEAR No. V-6



Hand forged from cutlery steel. Blades 6 inches long, ground and set and full polish. Plain Hand Forged.....25c
Polished Hand Forged.....50c

CALIFORNIA PATTERN SHEARS



California pattern. Length 9 in. Tempered tool steel blade. Volute spring. Adjustable ratchet nut. Black japanned handles. No. 313, Price each \$1.25.

FLOWER POTS

We pack as carefully as possible but they are shipped at purchaser's risk of breakage. Shipping charges not prepaid. Packing charges at cost.

	Each
2-inch	\$0.03
3-inch .....	.03
4-inch .....	.05
5-inch .....	.06
6-inch .....	.10
8-inch .....	.20
9-inch .....	.35
10-inch .....	.40
12-inch .....	.75
14-inch	1.15
16-inch	1.50



POT SAUCERS

	Each
4-inch	\$0.04
6-inch .....	.05
8-inch .....	.10
10-inch .....	.15
12-inch .....	.20
14-inch .....	.35
16-inch .....	.40

FERN OR BEGONIA POTS

They are not so deep as the regular flower pots and are used a great deal for growing ferns and Begonias in; also asparagus plants, etc.

	Each
6-inch	\$0.10
8-inch .....	.15
10-inch .....	.25
12-inch .....	.40
14-inch .....	.55
16-inch .....	.75

STONE JARS

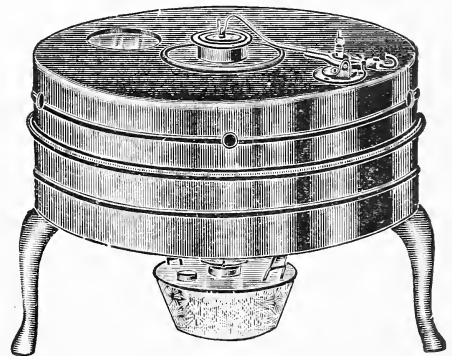
With lids

Splendid for preserving or pickling meats, kraut and cucumbers, etc.:

1 gallon size.....	\$0.35
2 gallon size.....	.55
3 gallon size.....	.80
5 gallon size.....	1.35
6 gallon size.....	1.55
8 gallon size.....	2.00
10 gallon size.....	2.25

NOTE: Florists and Nurserymen write us for quantity prices on flower pots, we will quote you special prices on lots of 100 or 1000. Shipment made direct from pottery.

RELIABLE BABY GRAND INCUBATOR



Give it a fair trial in your own home. The Little Baby Grand All-Steel Incubator is a life-time machine. It can be depended on to maintain a perfect hatching condition for 25 years.

50-Egg Hot Air

It is doubled-walled with a circulation of warm air between walls, windows in top to see thermometer without opening machine. It is self-regulating and a positive success. Can be shipped by parcel-post, express or freight packed all in a carton ready to operate. Price \$7.50.

Capacity, 50 chick. Weight 18 pounds.

Lectro-hatch

Electric Incubators and Brooders



“DO IT ELECTRICALLY!” Lectro-hatch incubators and brooders have made poultry raising safe, easy and certain. Chicks hatched by electricity have the appearance of being a week old the day they’re hatched. Even heat and fresh, pure air gives the chick every advantage for life, growth and development that Nature intended.

Electricity is the ideal heat, without the care, fumes, dirt, and DANGER OF FIRE which you are sure to find in other style machines. Day or night, warm weather or cold, your temperature never varies, but stays steady and even, right where you set it. Think what this means! No lamps to fill, no wicks to trim, no coal to carry, no work or worry of any kind—everything automatic. Costs less than a cent an egg to operate. Lasts a life time.



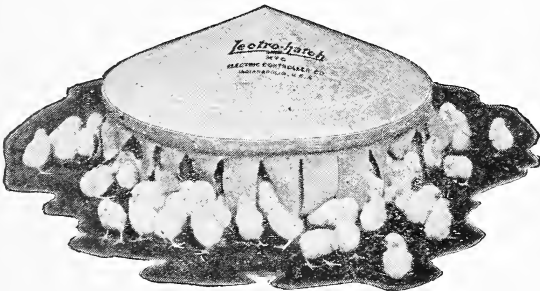
The Lectro-hatch Brooder has the same principle of reliable heat and automatic temperature control as the Lectro-hatch Incubator. Night or day the temperature in your brooder never varies. There are no ups or downs—no frozen or roasted chicks. Chicks breath fresh, pure air all the time. Pure air, unchanging heat and no crowding will prevent a big part of your usual chick losses. Lectro-hatch Brooders are strongly built of heavy galvanized metal, with heavy felt curtain—sturdy, attractive, effecient, and durable.

When ordering Lectro-hatch incubators or brooders, state voltage of your electric current.



MADE IN TWO POPULAR SIZES

150-Chick and 500 Chick



It’s all Brooder—No lamp, No Stove!

Lectro-hatch

ELECTRIC INCUBATORS

65 egg size.....	\$ 23.50
150 egg size.....	38.00
300 egg size.....	67.00
600 egg size.....	118.00

Lectro-hatch

ELECTRIC BROODERS

150 chick size.....	\$18.00
(28 inch diameter)	
500 chick size.....	23.50
(40 inch diameter)	

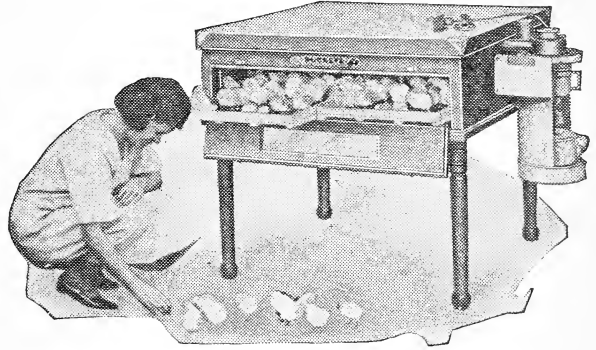
Hatch More Chicks with BUCKEYE Incubators!

Yes, you can hatch more chicks. You can hatch the chicks that now die in the shell. You can hatch the chicks that now pip the shell but never get out. And more than that, you can save the chicks that now die or contract infantile diseases the first twenty-four hours. The Buckeye Incubator stops all these losses; it hatches every hatchable egg; it makes the hatching of chicks sure, certain and profitable.

Buckeye Guarantees More Chicks and Better Chicks

The invention of the famous Buckeye Hot Water Heating System revolutionized the hatching of chicks. It is the heating system that provides steady, constant, unvarying heat. It provides absolutely correct temperature every hour, every minute of the incubation period. And the heat is uniform over the entire egg tray. There are no underheated eggs. There are no overheated eggs. But that isn't all. The Buckeye doesn't dry out the air. All the natural moisture of the atmosphere is retained. This is important. You can't hatch live, sturdy chicks in stale, dried out air.

Think of these absolutely correct hatching conditions that Buckeye guarantees. The temperature is always correct and uniform. The air is always moist. It is automatically kept fresh and pure—absolutely free from foulness, gasses and fumes. Do you wonder that Buckeye hatches more chicks? Do you wonder that Buckeye hatched chicks are stronger, bigger and better?



Less Time and Attention

The Buckeye takes less time and attention. It costs less to operate. Heat regulation is automatic and sure. Simply set the regulator at the start of the hatch and it seldom requires further attention. The thermostat keeps the temperature constant at all times—day and night. And the Buckeye heater burns less fuel—it produces more heat units and all the heat is used.

Write for Buckeye Catalog

But these are only a few of the Buckeye superior features. They are told in the new Buckeye Catalog. Write us today for the Buckeye Incubator Book.

Capacities, Weights and Prices Buckeye "Standard" Incubator

No. 1	120 eggs	110 lbs.	\$ 37.50
No. 2	175 eggs	135 lbs.	44.50
No. 3	250 eggs	200 lbs.	57.75
No. 4	350 eggs	230 lbs.	68.00
No. 5	600 eggs	325 lbs.	107.00

Buckeye "Style E" Incubators A Good Quality, Low Priced Line

No. 14	65 eggs	55 lbs.	\$ 16.50
No. 16	120 eggs	85 lbs.	27.50
No. 17	210 eggs	125 lbs.	36.75

IMPROVED Buckeye Coal-Burning Colony Brooders at New Low Prices

The new Buckeye Coal-Burning Brooder gives you the greatest value ever offered. The brooder is improved. The prices are reduced—drastically reduced.

BIGGER STOVES

The new Buckeye Stove is larger. It holds more coal. It gives more heat. It burns longer with one fueling, with soft coal or hard coal; it holds the fire; it doesn't get clogged and go out; the fire doesn't go down and let the chicks get chilled.

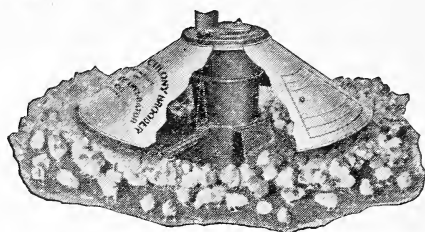
DOUBLE CHECK DRAFT—REVOLVING HOVER

The new Buckeye Brooder has a Double Check Draft. It controls the fire with 50% greater efficiency; controlled by the Buckeye Thermostat which is self-regulating. It so operates as to prevent the fire from going out, from overheating and from overheating. The new Hover is Revolving. It save time, work and trouble. Every attention is given the brooder by simply turning the Hover door to the desired position.

SPECIFICATIONS OF

BUCKEYE COAL-BURNING BROODERS

No. 117	42" Hover, Up to 350 chicks	75 lbs.....	\$16.50
No. 118	52" Hover, Up to 500 chicks	95 lbs.....	21.50
No. 119	56" Hover, Up to 1000 chicks	130 lbs.....	26.50



RATED ACTUAL CAPACITY

Buckeye Brooders are rated actual capacities. Many brooders are over-rated. When comparing Buckeye with other makes, compare the prices of Buckeye with the prices of other brooders having the same diameter Hovers.

MONEY BACK GUARANTEE

Try any size Buckeye Brooder for 30 days at our risk. If it is not satisfactory, your money will be refunded.

Buckeye Oil-Burning Colony Brooders!



BUCKEYE OIL-BURNING BROODER

The Improved Buckeye Hover has the "Diafram" Heat Conveyor. This ingenious invention is so devised and attached to the Hover as to insure scientific radiation of the heat. It prevents crowding and smothering. It prevents the chicks on the outside from chilling. It prevents the chicks on the inside from being overheated.

SIMPLE, POWERFUL BURNER

The Buckeye Burner has proved its capacity to furnish enough heat. It has the capacity to care for all your chicks—at all times, day or night. Of course, no oil-burning brooder will heat a large brooder house. But when this Buckeye Brooder is operated in a heated or small, warmly constructed house or in temperatures above freezing, it will keep the chicks warm and thriving—no chilling, no overheating, no losses.

EASY AND SIMPLE TO OPERATE

Buckeye is as easily operated as a high grade kitchen oil stove. There are no levers, no valves to fuss with. There's no priming, no complicated "leveling" necessary. Simply apply the match and turn the control knob up or down as required. That's all.

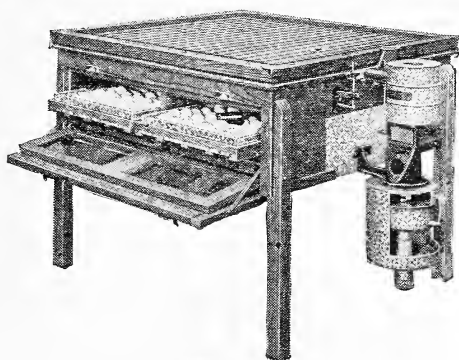
MONEY-BACK GUARANTEE

Try any size Buckeye Brooder for 30 days at our risk. If it is not satisfactory, your money will be refunded.

CAPACITIES, WEIGHTS AND PRICES OF BUCKEYE BLUE-FLAME BROODERS

No. 27-A	Up to 200 chicks	34" Hover	40 lbs.....	\$17.50
No. 80	Up to 350 chicks	42" Hover	50 lbs.....	19.00
No. 81	Up to 500 chicks	52" Hover	60 lbs.....	21.50

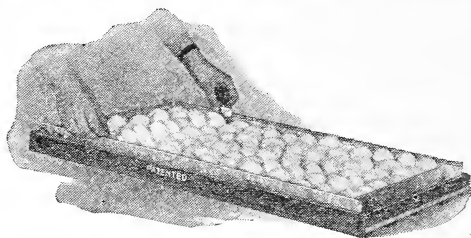
AUTOMATIC INCUBATORS



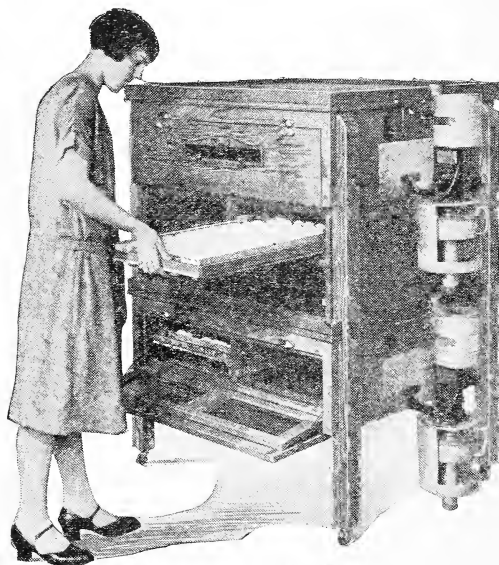
Standard Automatic No. 3, 250 Egg
Size 48x35 inches

Write For New Catalog
AUTOMATIC FEATURES
That Mean Money To You

- ¶ Cannot overheat; cannot underheat. The patented Automatic Revolving Chute does it.
- ¶ Double wall and double corrugation cabinet construction of best grade California Redwood.
- ¶ Legs of heavy ash to prevent splitting and breaking off.
- ¶ Removable drawer front keep chicks in nursery tray while door is open.
- ¶ Moisture condenses right at egg tray, exactly where it should.
- ¶ Adjustable compensating locks on outside door assures tight fitting.
- ¶ Heavy double doors afford maximum protection.
- ¶ Solid molding, heavy screws and brass bound corners makes the AUTOMATIC always tight.
- ¶ Heating element of 14 ounce copper insures durability and perfect radiation.
- ¶ Wire partitions in all models, from 250 egg up, permits operator to hatch different breeds at the same time.
- ¶ Is absolutely fireproof. Carries Underwriter's label, which validates your insurance.
- ¶ Is furnished with either coal oil lamps or with gas burners for natural or artificial gas.
- ¶ Automatic egg turning trays as regular equipment—no extra cost.



Egg Turning Tray on all Standard Automatics
From No. 3 Up



Standard Automatic No. 50, 500 Egg.
Size 48x35 inches

AUTOMATIC STANDARD INCUBATORS

No. 1.	125-egg Automatic.....	\$ 39.50
No. 2.	175-egg Automatic.....	44.50
No. 3.	250-egg Automatic.....	57.75
No. 4.	375-egg Automatic.....	73.00
No. 5.	500-egg Automatic.....	98.00

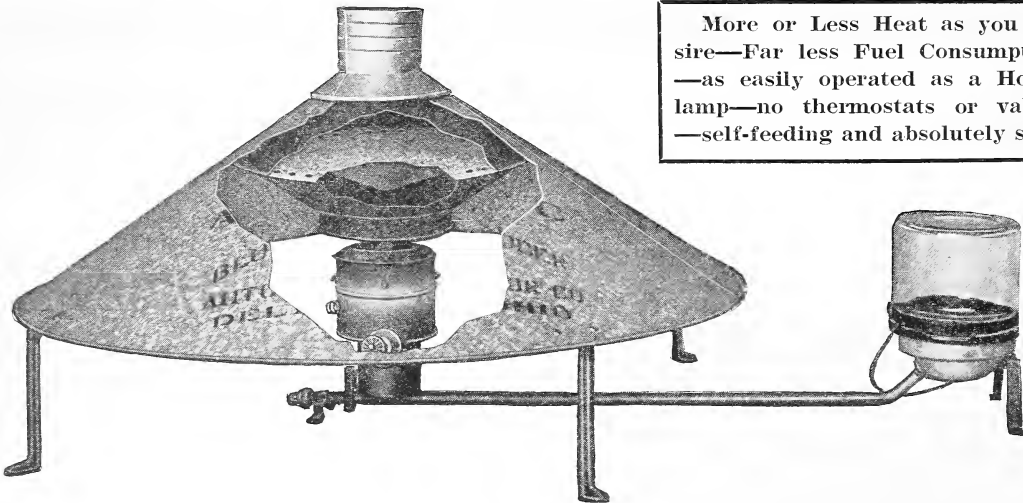
AUTOMATIC MAMMOTH JUNIOR PORTABLES

No. 5D.	500-egg. Two hatching cabinets of 250 eggs each....	\$111.75
No. 7.	750-egg. Two hatching cabinets of 375 eggs each....	150.00
No. 10.	1000-egg. Two hatching cabinets of 500 eggs each....	197.50

DELAWARE AUTOMATIC

No. 65.	65-egg. Delaware Automatic	\$ 18.00
No. 160.	160-egg. Delaware Automatic	32.50
No. 220.	220-egg. Delaware Automatic	36.75

AUTOMATIC SUPER HEATER OIL BURNING BROODERS



More or Less Heat as you desire—Far less Fuel Consumption
—as easily operated as a House lamp—no thermostats or valves
—self-feeding and absolutely safe.

THE MOST DEPENDABLE BROODER YET DEvised. THE SUPER HEATER ATTACHED INSIDE THE CANOPY REFLECTS ALL HEAT TO BACKS OF BABY CHICKS. SELF FEED-ING, ECONOMICAL AND ABSOLUTELY SAFE.

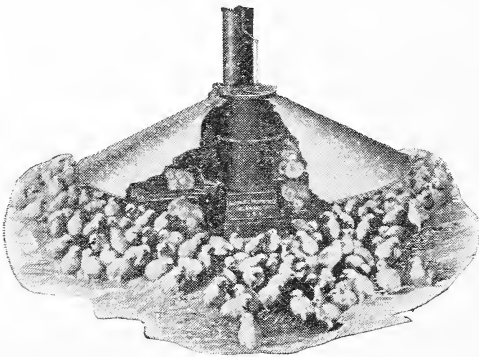
OIL-BURNING	No. 1	No. 2	No. 3
Chick Capacity	200	350	500
Diameter of Canopy.....	34"	42"	52"
Shipping weight.....	50 lbs.	60 lbs.	70 lbs.
Price	\$17.50	\$19.00	\$22.50

The Automatic Super Heater is Equipped on the No. 1 and No. 2 for \$3.50 extra.

ANNOUNCING NEW AUTOMATIC COAL BROODERS

New Features:

- 1. Double draft system automatically controlled.
- 2. Larger chick brooding capacity.
- 3. Stove larger in size to radiate more heat.
- 4. Larger coal capacity—less attention re-quired.
- 5. 5-inch stove pipe flange.
- 6. Larger size canopy—56-inch.
- 7. Larger grate to insure a more steady flame.
- 8. Burns soft coal efficiently.
- 9. Gas-burning Brooders as Standard equip-ment.
- 10. Larger Cylinders and Fire-bowls.
- 11. Three new sizes—500, 1000, and 1200 chick capacity.

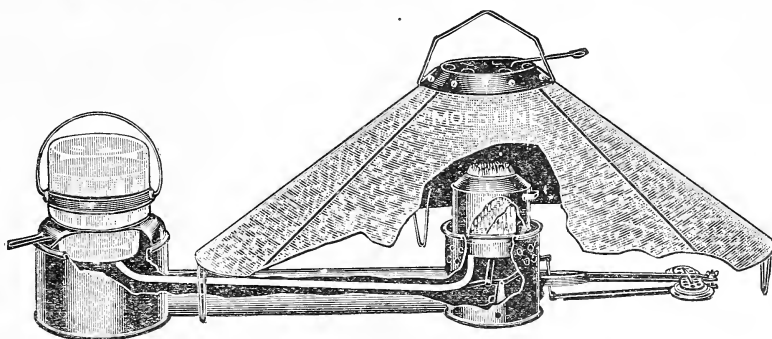


SPECIFICATIONS

	No. 5	No. 7	No. 12
List Price	\$16.50	\$21.50	\$26.50
Chick capacity	500	1000	1200
Height of stove.....	21 1/2 in.	23 in.	24 1/2 in.
Diameter of base.....	12 in.	13 1/8 in.	15 in.
Diameter of grate.....	8 1/4 in.	9 1/8 in.	10 in.
Coal capacity	29 lbs.	40 lbs.	53 lbs.
Size of smoke pipe.....	4 in.	5 in.	5 in.
Diameter of Canopy.....	42 in.	52 in.	56 in.
Shipping weight	80 lbs.	100 lbs.	120 lbs.

WRITE FOR FULL DESCRIPTIVE CATALOG

MOE'S AUTOMATIC OIL BURNING BROODERS



32-Inch, 42-Inch and 52-Inch Canopies

Moe's Automatic Brooder uses kerosene as fuel and gives a steady, even warmth without fumes or gases. Has a new and improved wickless blue flame burner, with perfect combustion, and a cold-air chamber around the burner prevents over-heating.

The Oil Reservoir is of heavy glass, capacity one gallon of kerosene or coal oil, which will run the brooder twenty-four hours or longer without refilling. Can be filled without extinguishing the burner.

The Thermostat automatically regulates the flow of oil by raising or lowering the burner to a point above or below the oil level in the reservoir. The fuel feed pipe is protected by a metal housing through which it passes, connecting the burner with the oil reservoir.

The oil feeds from the reservoir into a concave pan attached to the feed pipe. A correct oil level is maintained in this pan at all times, thus insuring a proper regular flow of oil to the burner.

The Canopy is made of heavy galvanized iron, in sections knocked down to save freight, and is easily put together. A thoroughly reliable and efficient brooder, which requires but little attention, is easily adjusted to any desired temperature, and automatically maintains this temperature at all times. Made in three sizes.

No.	Size Canopy	Capacity Chicks	Shipping Weight	Price Complete
225.....	32 in.	300	32 lbs.	\$14.75
226.....	42 in.	500	36 lbs.	16.50
227.....	52 in.	1000	45 lbs.	18.50

BUCKEYE INCUBATOR AND BROODER EXTRA PARTS

FOR INCUBATORS

Buckeye Universal Thermometers.....	\$1.00
Holders for Old Style Thermometers.....	.15
Lamp Bowls for all Incubators.....	1.00
Lamp Burner No. 35 (For Incubators Nos. 1, 2, 14 and 16).....	.75
Nos. 3, 4, 5 and 17).....	1.00
Lamp Burner No. 330 (For Incubators Lamp Chimneys for all Incubators.....	.50
Lamp Wicks for all Incubators, per dozen	.35
Connecting Rod and Nut for Regulators....	.50
Egg Tester .....	.50
Drain Cap for Incubator Tanks.....	.25
Filler Cap for Incubator Tanks.....	.35
Filler Cap for Lamp Bowls.....	.25
Extra Tanks for Buckeye Incubators—	
For Incubator No. 1 (Copper).....	7.50
For Incubator No. 2 (Copper).....	9.00
For Incubator No. 3 (Copper).....	12.00
For Incubator No. 4 (Copper).....	15.00
For Incubator No. 5 (Copper).....	22.50
For Incubator No. 14 (Copper).....	6.00
For Incubator No. 16 (Copper).....	7.25
For Incubator No. 17 (Copper).....	10.50

FOR OIL BURNING BROODER

Brooder complete, less canopy, for No. 27-A	\$13.50
Brooder complete, less canopy for Nos. 28-A and 29-A	15.00
Canopy complete for No. 27-A.....	6.50
Canopy complete for No. 28-A.....	9.00
Canopy complete for No. 29-A.....	11.00
Burner with Wick for No. 27-A.....	5.00
Burner with Wick for Nos. 29-A and 27-A	7.50

Outside Enameled Chimney for No. 27-A	1.50
Outside Enameled Chimney for Nos. 28-A and 29-A	2.50
Inside Perforated Chimney for No. 27-A....	.50
Inside Perforated Chimney for Nos. 28-A and 29-A .....	.60
Central Perforated Chimney for No. 27-A..	.50
Central Perforated Chimney for Nos. 28-A and 29-A .....	.60
Oil Jug with Automatic Valve.....	1.50
Automatic Valve for Oil Jug .....	.50
Supply Pipe with Oil Cup and Stand.....	6.50
Wicks for No. 27-A .....	.50
Wicks for Nos. 28-A and 29-A.....	.75
Leg for Canopy50

FOR COAL BURNING BROODER

Wafer Thermostat (Fit all sizes).....	.50
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FOR PORTABLE BROODER

Thermometers (Tested)	1.25
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NOTE—We carry above parts in stock and can make immediate shipment. For parts not listed will have them forwarded to you direct from factory.

RAISE

More and Better Baby Chicks
By Proper Feeding.

We Recommend SUPERIOR Chick Starter
and Growing Mash Containing Dehydrated
Orange and Peel

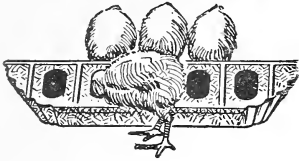
See Page 40

Order Your Requirements Now To Have
A Supply On Hand When Those
Fluffy Beauties Arrive.

POULTRY SUPPLIES

NOTICE—Poultry Supplies are not postpaid, see page for your zone and figure extra postage. Will remit extra postage if too much is sent with order. By sending sufficient postage will be able to make immediate delivery.

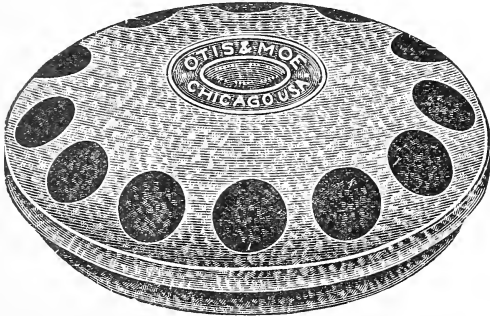
CHICK FEED TROUGHS



Accurately stamped with dies. No sharp or rough edge to injure the chicks. Top slides off, so pan is easily filled and cleaned.

- 10-inch size Each **25c**
Shipping Weight 1 Pound.
20-inch size Each **40c**
Shipping Weight 2 Pounds.

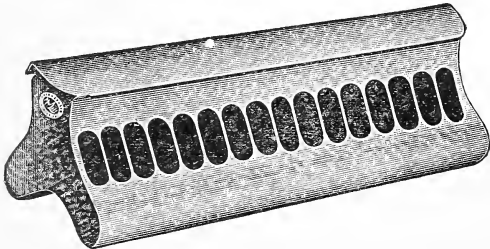
MOE'S BABY CHICK FEEDERS



A great feed saver, and can also be used for water or milk. Accurately stamped with dies. Top fits snugly, yet is easily taken off for filling and cleaning.

- No. 11. Diam. 6 in. with 8 holes, each.....**15c**
Shipping Weight 1 Pound
No. 12. Diam. 8 1/4" with 12 holes, each....**25c**
Shipping Weight 1 Pound

MOES LARGE CAPACITY FEEDER



A fine feeder for growing stock, and a great time and labor saver. Has a total of 32 feeder holes. Sliding top, easy to fill and clean. Capacity, 10 quarts; length, 21 inches.

- No. 140 Moes Chick Feed. Each.....**\$1.40**
Shipping Weight 4 Pounds.

No. 141—The same style and construction as our No. 140, but much longer and with a larger capacity. Capacity 17 quarts, length 35 in., 27 openings on each side, so that 54 chicks can feed at one time. Shipping weight 8 lbs. Each**\$2.00**

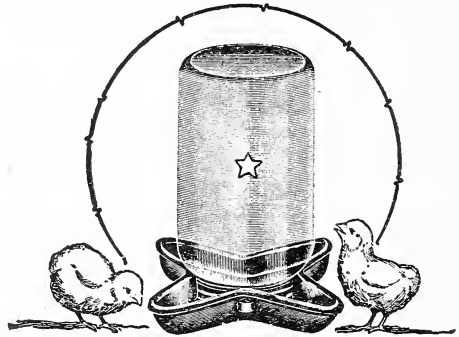
MOE'S JAR FOUNTAIN

Made of heavy rust-resisting metal and is screwed in an ordinary Mason jar. Diameter, 6 inches. A popular fountain.

- No. 142 (Glass jar not included.) Each ..**10c**
Shipping Weight 7 ounces.



STAR FOUNTAIN AND FEEDER



Made of a single piece of heavy metal. No solder, no seams, no loose parts, chicks can not drown. Fits any Mason jar in 1 pint, 1 quart, and 2 quart sizes. No. 32 (Glass jar not included.) Each **10c**. Shipping weight 6 ounces.

STAR FOUNTAIN FOR FEEDING BUTTERMILK

Made of Bright Charcoal Tin Plate, which is not affected by milk acids. The same material as is used in milk cans, cream separators, etc. Makes an absolutely safe and sanitary feeder for buttermilk and sour milk. Each.....**15c**.

MOES DOUBLE FEEDING TROUGH



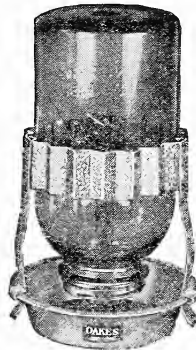
Made of best quality galvanized iron, accurately stamped with dies. No sharp or rough edges to injure the chicks. Made in three sizes. Shipping weight 2 ounces.

- No. 58—Length 12 in., each.....**45c**
No. 59—Length 18 in., each.....**60c**
No. 60—Length 24 in., each.....**70c**

BUTTERMILK FEEDER

A perfect Feeder for sour milk, buttermilk, water, hard grain or grit. The container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding. The Handy is adjustable, simple to operate and durable. Ea. 40c. Shipping weight 1 lb.

(Glass jar not included)



TWO-PIECE DRINKING FOUNT

This fountain consists of a coneshaped bucket or can, and a stamped pan which forms the base and the trough from which the fowls drink.

Both parts are made of galvanized sheet steel and all parts are well soldered. The top is pointed so as to prevent chickens from standing or roosting on it. Made in three sizes.



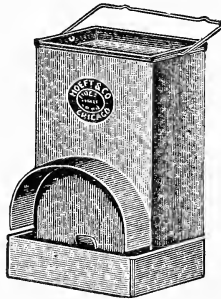
1-quart size, 40c each, shipping weight 1 pound.

2-quart size, 50c each, shipping weight 1½ pounds.

1-Gal. size, 65c each, shipping weight 2 pounds.

SQUARE DROP BOTTOM FOUNT

Are easy to clean and fill, keeps water cool and fresh at all times. This fountain was designed to provide the poultry-man with a labor-saving fount that could be opened for cleaning and re-filling. To fill this fount the bottom is unlocked and swung back, the reservoir is inverted, filled, swung back into place, and is ready to hang on the wall. They are made in three sizes.



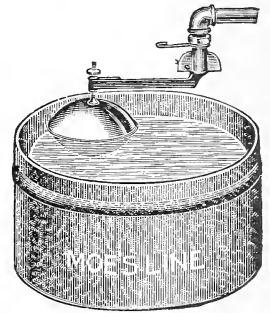
2 quart	\$.95
1 gallon	1.25
2 gallons	1.45

STONE DRINKING FOUNTS

1-Gal.—Stone Drinking Founts.....	25c each
Shipping Weight	Lbs.
2-Gal.—2 Piece Stone Drinking Founts.....	80c each
Shipping Weight	Lbs.

AUTOMATIC POULTRY FOUNTAIN

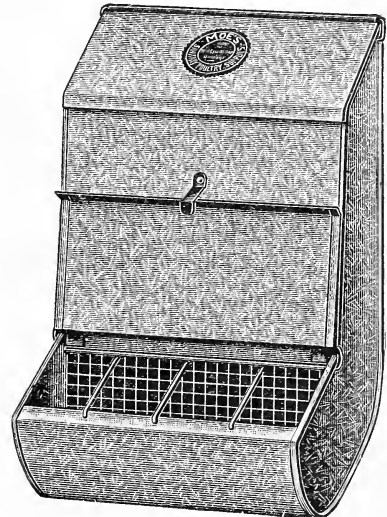
A perfect automatic valve and float, to regulate the flow of water to a drinking dish. Valve mechanism entirely of brass, nickel finish, with nothing about it to rust or clog. A great labor saver. Can be attached to any iron water pipe or to a barrel or tank and insures continuous automatic supply of water without waste.



No. 30—Valve and Float only. Shipping weight 1 pound. Each.....\$.90

No. 31-A—Valve and Pan complete. Shipping weight 2 pounds. Each.....\$1.25

HANDY DRYMASH HOPPER

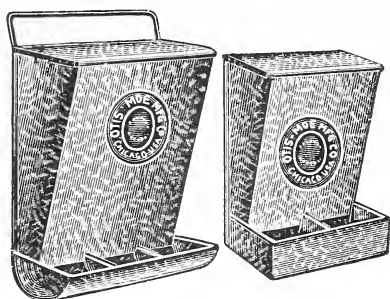


The curved bottom of the Hopper keeps the feed within easy reach of the birds. The gradual enlargement from the top to the base prevents clogging. The wire grid and the wire running from the flange through the wire grid prevents any chance of the fowls throwing out or wasting the feed. The sloping cover prevents the birds from roosting on the Hopper, and when both covers are closed, it is rat and mouse proof. A trial will convince you that it is a Hopper of the greatest merit. Manufactured of heavy galvanized iron in four sizes.	
No. 1—12 in. wide, each.....	\$1.75
Shipping Weight 6 Lbs.	
No. 2—18 in. wide, each.....	2.25
Shipping Weight 7 Lbs.	
No. 3—24 in. wide, each.....	2.75
Shipping Weight 10 Lbs.	
No. 4—36 in. wide, each.....	3.90
Shipping Weight 14 Lbs.	

A BOOKLET EVERY POULTRYMAN SHOULD HAVE

A complete 72 page poultry book describing the proper way to raise chicks, how to build poultry houses, select layers and breeders, cure poultry diseases, etc., will be mailed to you free by writing direct to UNIVERSAL MILLS, Fort Worth, Texas. We will be glad to help you with your Poultry Problems. We maintain a Poultry Department headed by Mr. F. C. Wantzloebe, a poultryman of 15 years experience. Don't hesitate to write us. We are here to serve you.

GRIT AND SHELL BOXES



Grit, shell and charcoal have now become a recognized essential part of the diet insuring healthy fowls. They cannot be more economically supplied than in one of our inexpensive compartment boxes. Can also be used as a feed hopper for little chicks.

No. 45—For baby chicks, each.....\$0.45
Shipping Weight 1 Lb.

No. 9—For grown birds, each..... 1.10
Shipping Weight 3 Lbs.

MOES ALUMINUM LEG BANDS



No. 130—Aluminum, with extra large raised numbers. Easy to read, adjustable for any size fowl. Quickly applied. Price, 12 bands, 15c; 25 bands, 30c; 50 bands, 50c; 100 bands, 80c.

BIGNUM POULTRY BANDS



Poultry Sizes. The Standard poultry sizes with two large black numbers from 1 to 100, with black ink on celluloid. Size No. 3 (For Leghorn Hens.) 3c each. Size No. 4 (For Rhode Island Red, Plymouth Rock, and Orpington Females, and Leghorn Males.) One-half inch wide, two and one-half inches long from slot to shoulder. 3c each.

SPIRAL LEG BANDS

Sizes—Asiatic, American, Mediterranean and Chick.

Spiral Leg Bands are light as a feather and are easily put on and taken off without tools, and are so designed that they cannot be lost or removed by the bird. Colors, red, black, white, yellow, blue, green, light blue, and pink. Prices, 12 bands, 15c; 25 bands, 30c; 50 bands, 50c; 100 bands, 80c.

MEDITERRANEAN



BROODER THERMOMETER

It is a neat, convenient and accurate thermometer for brooders, brooder houses and general purposes. Buckeye Coal-Burning and Blue-Flame Brooder.

Price, each\$1.00
Buckeye Brooder Thermometer, each..... 1.25

ALUMINUM PIGEON BANDS

Made of aluminum with stamped numbers.

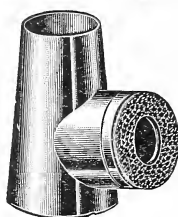
OpenEach.....01.....100.....\$.80
ClosedEach.....02.....100.....1.75

BANDETTES

A numbered celluloid leg band about three-eighths of an inch wide. Will not cut or irritate legs of poultry as it has rounded edges and gives with birds growth. Easily put on. Colors: red, yellow, blue, green, pink. Prices \$.03 each; 25 bands, \$.70; 50 bands, \$1.30; 100 bands, \$2.50.



MOE'S EGG TESTER



Used to test fertility to eggs during first week of incubation. Use on an ordinary lamp. (No. 2 burner) in a dark room. It will illuminate interior of egg so that you will know if the chick is alive. Also shows size of air-cell. Each 35c.

Shipping Weight 1 Lb.

NAPHTHALENE NEST EGGS



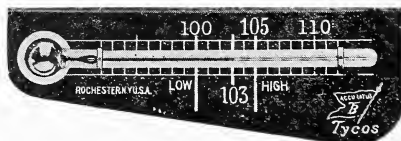
This egg is used not in reality as a nest egg, but is put into the nest to remove and kill the lice. If one of these nest eggs is placed in a nest with the nesting material, it will remove all vermin, if put in a corner of the nest under the setting hen, it will keep hen free from lice and mites.

Price.....Per doz., 75c; postpaid, 85c.

GLASS NEST EGGS

Made of white porcelain, natural in appearance, and uniform in size. Will not easily break. They induce the hen to lay where she should—in the nest. Per doz., 35c., postpaid, 45c.

TESTED INCUBATOR THERMOMETER

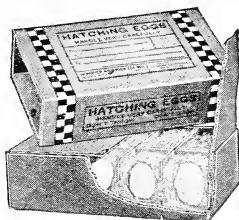


Standard Grade, postpaid\$.75
Tycos Incubator Thermometer, postpaid.....\$1.00

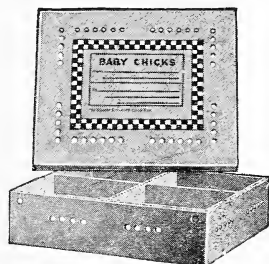
ANDERSON EGG BOXES FOR SHIPPING

Made of extra heavy corrugated cardboard; built so as to stand rough handling and carry your setting eggs safely.

15 egg size....30c each
30 egg size....45c each
50 egg size....55c each



SHIPPING BOXES FOR DAY OLD CHICKS



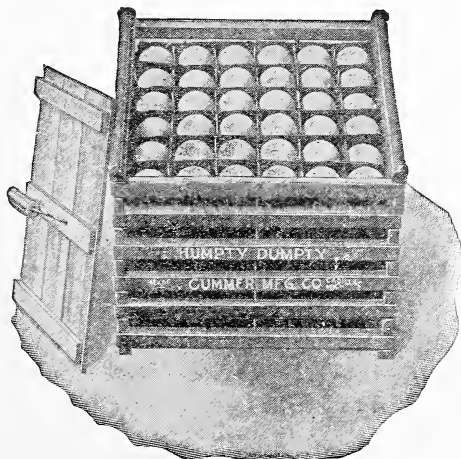
During the last few years the day-old chicks business has grown wonderfully. Much of the success of the undertaking depends upon the condition in which the chicks reach their destination. Our shipping boxes are well made of corrugated board. They are strong

enough to prevent crushing, light to reduce express charges, perfect insulation to afford protection against heat and cold. Prices: 25 chick size, 25c; 50 chick size, 35c; 100 chick size, 50c.

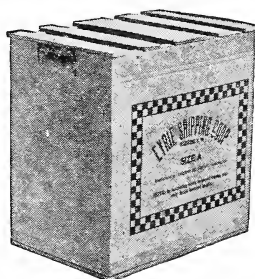
YARD EGG BOXES FOR RETAIL TRADE

This is an ideal box for the retail egg trade holding 1 dozen, presenting the goods to the customer in an attractive package with the minimum amount of trouble for the seller. They knock down in very compact shape. 3x4 Eagle, 15c per doz., \$1.25 per 100; \$10.75 per 1000. 2x6 Seminole 20c per doz., \$1.75 per 100; \$16.00 per 1000.

HUMPTY DUMPTY EGG CARRIER



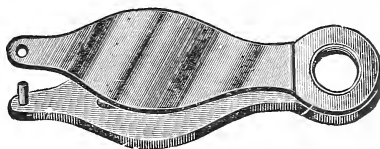
A very light, strong and convenient egg crate and carrier. Made of hard wood slats securely fastened. The lid with handle, springs into position when crate is filled. Collapsible. 12 dozen size, 90c; Parcel Post weight 7 lbs.



EYRIE SHIP- PING COOP

Light in weight, but strong and durable. Ends and sides heavy corrugated cardboard. Top and bottom wood. No. C, 21x18x22 inch-deep, each\$1.00

MOE'S POULTRY PUNCH



A popular and practical punch. Makes a clean perforation and does not bruise the foot. No. 38 Moe's Punch, each.....25c

MOE'S IDEAL POULTRY PUNCH

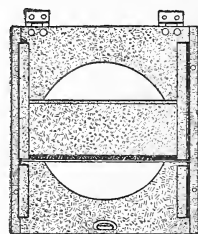


A new improved punch. Works easily, cuts clean, and does not pinch the foot. Length 3 1/2 in. Nickel plated.

No. 39 Moe's Ideal Punch, each50c

MOE'S TRAP NEST FRONT

It places trap nests within the reach of all. For with its use an old orange box can be converted into a double nest at a cost of \$1.30. They are simple in operation with no small parts to get out of order. The front works on hinges, making it easy to remove the birds or clean the nest. Each 65c.



SURE-TRIP TRAP NEST FRONT



The Practical Trap Nest is a profitable addition to every poultry plant, because it weeds out the drones and cuts down feed bills for the man who wants to keep only those birds that produce. Strongly built of good lumber, as light in weight as consistent with strength and durability—with a trap that works noiselessly and surely. Each 40c.

INCUBATOR LAMP WICKS

Made of felt. The best wick to use in your incubator lamp. State width of wick when ordering. Each 5c.

Now! A Genuine Vitamine Feed

SUPERIOR EGG MASH

Containing Dehydrated Orange Peel and Pulp



A NEW DISCOVERY IN POULTRY FEEDING

EVER since the discovery of the tremendous importance of vitamins to bodily health and vigor, manufacturers have tried to find some ingredients rich in vitamins which could be mixed with poultry feeds. Many ingredients have been tried, with varying degrees of success.

But now the **Dehydrated Orange Peel and Pulp** in **SUPERIOR Poultry Feeds** contains the vitamins necessary for poultry culture! And dehydration does not injure the vitamins or destroy any of the other necessary elements. When the chicken eats **SUPERIOR Feed**, the saliva in the digestive system quickly brings the orange back to its original freshness, juiciness and succulence.

In addition to vitamins, this new ingredient brings to your flock digestible minerals, acids and other valuable elements. Is it any wonder that it is the most perfect green food substitute, a preventive of coccidiosis and is causing **SUPERIOR Feeds** to become the most popular in the Southwest?

Not An Experiment — A Proven Success

We have received unsolicited letters from poultry raisers all over the Southwest, telling of the almost unbelievable results in daily use, under all conditions. And if **YOU** have not yet tried it, a few sacks will prove to you its true worth—**on your own flock!**

SUPERIOR CHICK STARTER and **SUPERIOR GROWING MASH**
Also Contain *Dehydrated Orange Peel and Pulp*—Feed These Vitamine Feeds
If You Want To Raise **MORE CHICKS!**

Manufactured By **UNIVERSAL MILLS**, Fort Worth, Texas

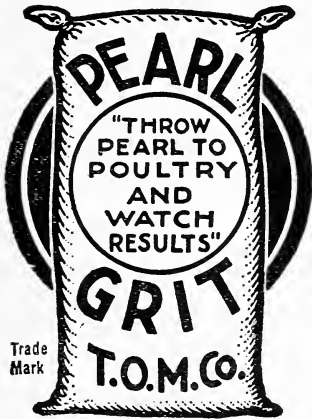
SUPERIOR Feeds Are Distributed By

SATEX SEED COMPANY, Inc. — San Antonio, Texas

Phone Crockett 7283

529 South Flores Street

POULTRY AND STOCK FEEDS



Crushed Oyster Shell—Our shells are crushed and ground to the size which poultrymen agree to be the best. It is needless for us to emphasize the value of crushed oyster shell for poultry. Every poultryman realizes its importance as an egg shell maker. Two grades, fine and medium. Lb. 2½c; 25 lb. 50c; 50 lbs. 75c; 100 lbs. \$1.25.

Genuine Pearl Grit—Every additional egg your hens lay increases your income. You can make them yield greater profit by giving them the grit that contains the vital substances needed in egg making. Pearl Grit is not an ordinary water washed pebble or soft crushed lime stone, but is hard as flint and in addition to its grinding properties it contains lime, carbohydrates, sulphur and silicon, which help to make hard white shells. Two sizes, fine and medium. Lb. 2½c; 25 lbs. 60c; 50 lbs. 90c; 100 lbs. \$1.50.

Red Cross Health Grits—A splendid prepared grit for pigeons. If fed regularly will go a long way in keeping them healthy. Lb. 6c; 100 lbs. \$4.50.

Wilson's Meat Scraps—50% protein—The highest grade meat scraps on the market. Made from cooked beef scraps, thoroughly dried and ground very fine so that it mixes readily in an egg mash and poultry will not waste mash trying to locate meat scraps. It is one of the only meat scraps on the market that can be fed straight to poultry and will not taint the eggs. Lb., 6c; 100 lbs., \$5.00.

Wilson Tankage—A wonderful hog feed. Used by some in egg mash, but do not recommend same for this purpose as it will eventually make sick chickens. Lb., 5c; 100 lbs., \$3.75.

Linseed Meal—An easily digested meal with high protein content. Recommended for poultry, horse and dairy feed mixtures, puts that glossy coat on your animals. Lb., 6c; 100 lbs., \$4.50.

Charcoal—A splendid addition to your mash. Should also be kept in hoppers before your poultry as it sweetens the gizzard and goes a long way toward preventing bowel troubles. Lb., 7½c; 100 lbs., \$4.50.

Triple XXX Pea Green Alfalfa Meal—Used in egg mashes. Ground very fine. Lb., 4c; 100 lbs., \$2.50.

Pepper Seed—To be added to the mash as a stimulant during the winter months to force egg laying. Lb., 6c; 100 lbs., \$5.00.

Rolled Oats—Used by many poultry raisers as a baby chick feed and for fattening poultry. Lb., 6c; 100 lbs., \$5.00.

Fine Ground Blood Meal—A highly concentrated and natural food for hens, containing 87 per cent, protein. Makes the plumage bright and glossy, and is particularly beneficial during the moulting season. Should never be fed without mixing with other food in proportion to 1 to 15 quarts of meal or shorts. Price, lb., 10c; or 3 lbs., 25c.

Poultry Bone—Consists of ground beef bone thoroughly dried and free from grease. It is more economical and better in every way than raw beef bone. Rich in bone phosphate of lime, which is necessary for making egg shells, and for building up the frame of the chickens. Should be placed in liberal quantities in a clean dry place easily accessible to the chickens at all times. Price, 6c lb., \$5.00 100 lbs.



VACUUM PROCESS DRIED BUTTERMILK

Vacuum Process Dried Buttermilk—A process whereby all of the water is removed from the buttermilk reducing it to a powder form, yet retaining practically all of the original lactic acid. It makes a splendid addition to the feed for poultry from the baby chick to the laying hen, reducing mortality and increasing vitality. Lb. 15c; 100 lbs. \$12.50.

STRAIGHT FEEDS

Straight Feeds—For the benefit of our customers who mix their own feeds, we carry a full line of straight feeds. Cotton Seed Meal, Alfalfa Meal, Unbolted Meal, Shorts, Wheat Bran, Corn Bran, Rice Bran, Yellow Corn Chops, Sifted Corn Chops, Wheat, Milo Maize, Oats, Ground Oats, etc. Owing to market changes we cannot quote prices in this catalog, and will be pleased to send prices on request.

SALT—SALT

- 25 lb. sks Fine Salt, 40c each.
- 100 Lbs. sks Fine Salt, \$1.15 each, \$20.00 per ton.
- 100 Lbs. sks Stock Salt, \$1.00 each, \$17.00 per ton.
- Lump Rock Salt, \$1.00 per 100 lbs., \$17.00 per ton.
- 50 Lb. Blocks Sulphur Salt, 60c each, \$20.00 per ton.
- 50 Lb. Blocks Plain Salt, 50c each, \$16.00 per ton.
- 4 Lb. Blocks Sulphur Salt, 15c each, \$2.25 per case 25 bricks.
- 4 Lb. Blocks Plain Salt, 12½c each, \$2.00 per case 25 bricks.

They're safe from Worms
when they are on

BARNES

WORM EMULSION

Baby Chicks to Mature Fowls

Easily Fed in Water or Mash

Pin worms - Round worms - Tape worms

DIGESTION & ASSIMILATION vs EXPELLING & RE-INFESTATION — VITALITY BUILDING FOOD vs POISONS ACIDS-SALTS

Regularly used and recommended by many Leading and Successful Poultry Raisers throughout America

INTESTINAL WORMS IN POULTRY DO CAUSE MANY POULTRY AILMENTS

Many flocks are suffering from the worm evil—unsuspected by the owner of the birds.

Many so-called poultry experts still advocate the use of tobacco and other harsh expellents, but where is the logic in using a method by which the birds must be thrown off their feed, production and growth temporarily stopped, and often other bad effects, IF IT IS A FACT that the expelled worms and worm eggs are only to be picked up and taken into the intestinal tracts of other chicks or fowls.

Prices: Pints, 60c; quarts, \$1.00; gallons, \$3.00; 5-gallon kegs, \$12.50. F. O. B. San Antonio. Add postage if wanted by mail.

ASK FOR A FREE BOOKLET OF DR. BARNES "DISEASES OF POULTRY"

BARNES' WORM EMULSION HAS BEEN EFFECTIVE FOR NINE YEARS

in successfully controlling the worm evil in normal flocks and has also saved many severely worm-infested birds—even after paralysis had taken place.

IT NOT ONLY IS A SAFE AND EFFECTIVE WORM DIGESTOR, but it is the same time an aid to digestion and a Vitamin containing health and vitality building food for all poultry.

EASILY FED IN THE DRINKING WATER—OR MASH.

It's regular use will prove an ECONOMY.

F. O. B. San Antonio.

Add postage if wanted by mail.



BUG PROBLEMS

ARE ALSO A BIG WORRY, AND A LOSS IN EGG PRODUCTION AND DEVELOPMENT OF THE FLOCK, IF NOT CONTROLLED



Packed in 50c, \$1.00 and \$1.75 packages

Martin's Poultry Tone Is a Tonic to be fed to Poultry that have been exposed to blood sucking insects. Poultry that have been exposed to blood sucking insects show a loss in vitality, and in some cases the vitality of the fowl is reduced to where they become weak and in some instances can not walk. Martin's Poultry Tone is to be mixed in bran or dry mash as per directions on package.



Given to Fowls in their drinking water or feed will rid them of all blood sucking lice, mites, fleas, blue bugs, clean them of all intestinal worms and parasites. It is also a wonderful poultry tonic, blood purifier, health builder and egg producer. It contains lots of sulphur, compounded scientifically with other health building ingredients. Known remedies for preventing disease. "Prevention is cheaper than cure." Keep your flock free of insects and intestinal worms and their system in good condition through the winter and you will get good hatchings and strong chicks in the spring. A supply to last through the winter and spring will cost very little. Give it a six days trial at our risk. Money back if not pleased. 50c and \$1.00 bottle, not postpaid.

When ordering any remedy by mail always send postpaid prices

Have A Conkey Corner In Your Poultry House



Raising poultry is pleasant and profitable when "good luck" is with you. Good luck, however, is not merely a matter of chance, but of BEING PREPARED. For more than twenty-five years Conkey has been THE POULTRY DOCTOR. Take his advice. Install a Conkey Corner of remedies in your poultry house as insurance against disease, trouble, loss and disappointment.

We sell Conkey's Poultry and Stock Remedies because we know they are reliable and we can guarantee them as follows:

Your money refunded cheerfully if any Conkey remedy does not satisfy.

CONKEY'S POULTRY BOOK FREE if you call at our store, or mailed for 6 cents in stamps.

Conkeys Roup Remedy. Pkgs. 30c, 60c, \$1.20; or 35c, 65c, \$1.30 postpaid.

Conkeys Roup Pills. Pkgs. 30c, 60c, \$1.20; or 35c, 65c, \$1.30 postpaid.

Conkeys White Diarrhea Remedy. Pkg. 30c, 60c, \$1.20; or 35c, 65c, \$1.30 postpaid.

Conkeys Cholera Remedy. Pkgs. 25c, 50c, \$1.00; or 30c; 55c, \$1.10 postpaid.

Conkeys Canker and Bronchitis Remedy. Pkg. 50c; or 55c, postpaid.

Conkeys Limberneck Remedy, 50c-55c postpaid.

Conkeys Rheumatic Remedy, 50c-55c postpaid.

Conkeys Blackhead Remedy, 50c-55c postpaid.

Conkeys Poultry Worm Remedy, 25c and 50c;

30c-55c postpaid.

Conkeys Poultry Conditioner, 25c-30c postpaid.

Conkeys Poultry Laxative, 25c-30c postpaid.

Conkeys Scaly Leg Remedy, 25c-30c postpaid.

Conkeys Gape Remedy, 25c-30c postpaid.

Conkeys Head Lice Ointment, 10c and 25c; 15c-30c postpaid.

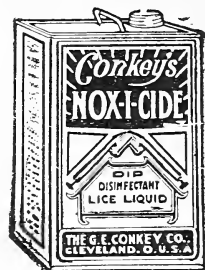
Conkeys Lice Fix, 25c and 50c; 30c-55c postpaid.

Conkeys Flea Salve, 25c-30c postpaid.

Conkeys Poultry Tonic, 25c and 50c packages, 12 lb. pails \$1.75 postage extra.

Conkeys Nox-i-cide (Dip and Disinfestant.) Pint 50c; Quart 80c; ½ Gallon \$1.30; Gallon \$2.00; Parcel post, express or freight charges extra.

Conkeys Fly Kicker. Quart 60c; ½ gal. 90c; gal. \$1.50; Parcel post, express or freight extra.



HOUSEHOLD INSECTS. ROACHES, MOSQUITOS, FLIES,

carry contagious diseases, MARTINS LIQUID BUG SPRAY is a stainless insecticide with a pleasant odor, can be used for Bed Bugs or any other insect in the house with satisfactory results. Pint cans 40 cents, Quart cans 75 cents, ½ Gallon \$1.25, Gallon cans \$1.75.

SCREW WORMS IN CATTLE.



Martin's Cattle Special Screw Worm Killer is a formula that we have spent several years experimenting with and we now offer a preparation that kills worms quickly without any bad effect on the wound and assists as a fly repellent. This preparation is packed in 2½ ounce bottles at 25 cents, 6 ounce bottles at 50 cents, prices quoted on large quantities.

DR. LeGEAR POULTRY and STOCK REMEDIES

Dr. LeGear's Poultry Prescription



Helps to make hens lay and to keep poultry healthy. A good general Tonic and Remedy for many ailments of poultry. It is especially beneficial during the Molt, in the breeding season and during the winter time.

Put up in 25c, 50c, and \$1.20 packages, \$3.00 pails not postpaid.

Dr. LeGear's Dip and Disinfectant

An excellent Antiseptic, Disinfectant, Germicide and Deodorant for both home and stable use. Good for Lice, Fleas, Sheep Scab and many forms of Ticks, Itch and Mange on Horses, Cattle, Hogs, Sheep, Goats, Dogs and Poultry.

There are a hundred uses for it about the home, stable and poultry yards. Dr. LeGear's Dip and Disinfectant will rid your Poultry Houses, Brooders, Incubators and premises of many Disease Germs, Lice, Mites and Vermin, and keeps them clean and healthful. No Poultry Plant or Stable is complete without it.

Put up in quart, 70c; half gallon, \$1.15; one gallon, \$1.80, not postpaid.



Dr. LeGear's Stock Powder. 25c, 50c and \$3.00 pails, not postpaid.

Dr. LeGear's Hog Prescription. 3 3/4 lb. package, 50c; 25 lb. pail, \$3.00; not postpaid.

Dr. LeGear's Healing Powder. 30c postpaid.

Dr. LeGear's Lice Killer Powder. 25c, 35c postpaid.

Dr. LeGear's Chick Diarrhea Tablets, 30c postpaid.

Dr. LeGear's Sorehead Remedy. 25c, 30c postpaid.

Dr. LeGear's Poultry Bowel Regulator. 25c, 30c postpaid.

Dr. LeGear's Gall Remedy. An excellent healing Salve for Sore Shoulders, Sore Backs, Open Sores on Stock and for many cases of Piles for Humans. 25c not postpaid.



Pratts

POULTRY REGULATOR IS GUARANTEED TO MAKE HENS LAY MORE EGGS



Used by most successful poultrymen all over the world, for over 50 years. It is not a dope or stimulant but furnishes the necessary health and egg making elements that feeds lack. It makes healthier hens, more eggs, shortens the moult, increases growth, aids digestion, regulates the bowels and keeps your fowls toned up and producing. The extra eggs and feed you save will pay you big profits. 25c and 50c not postpaid.

Pratts COW TONIC MEANS MORE MILK AND BETTER COWS

This splendid tonic is made specially for cows. It contains no filler and no antimony, arsenic or dangerous minerals. Mixed with the feed it helps the digestion, regulates the bowels, tones up the reproductive system, helps prevent abortion and makes healthier cows and more milk, costs little and pays you big profits. Absolutely guaranteed. Try it. 50c not postpaid.



PRATTS BAG OINTMENT.....50c NOT POSTPAID

GEO. H. LEE CO., PRODUCTS

EGG-O-LATUM



Rub a fresh egg with Egg-o-latium. Set it away on end in a cool, dry cellar and it will keep perfectly fresh for one year. Eggs coated with Egg-o-latium can be boiled, fried, poached or whipped, same as fresh eggs. In fact they are fresh eggs. Price 50c, 55c postpaid.

LEES SMOKE FLAVOR

The modern way of curing sausage, hams and bacon. No smoking necessary. Does away with the worry of having your meat house and smoke house go up in flames and saves lots of time and worry and cures your meat better. 12 oz. bottle 50c; not mailable.



LEES LICE KILLER

It kills by vapor and contact. It gives double service. Painted on the roosts, it kills insects with which it comes in contact, and the vapor arising kills lice on the bodies of the chickens as they roost over night, also the insect causing scaly leg. Not mailable. Price—Quart can, 60c; ½ gallon 90c; gallon can \$1.50; 5 gallon \$6.75.

LEE'S EGG MAKER

Hastens the moult, tones up the system, stimulates the egg-producing organs without injury, and lengthens the period of egg productions, when eggs mean money. Helps you raise your little chicks. 2 lb. pkg., 50c; 5 lb. pkg. \$1.00; not postpaid.



GERMOZONE (Not Mailable)

Is a most effective remedy for diseases affecting the skin and semi exterior mucous membrane of man, fowl or beast. It is particularly valuable to have always on hand for first aid treatment and as a preventative through its strong germicidal action.

For Poultry—Roup, colds, canker, chicken-pox, sore head, swelled head, cholera, bowel trouble, etc.

For Stock—Cuts, sores, wounds, sore eyes or mouth, saddle or harness galls, swelling, skin diseases, etc.

4 oz. at	\$.40	Quart Size	1.50
12 oz. at .....	.75	½ Gallon	2.50
Gallon			4.50

GERMOZONE TABLETS (Mailable)

Small size, 20 tablets.....	25c	Large size, 75 tablets.....	65c
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LEES HEALING POWDER

Splendid for cuts and sores on animals.....	25c, 35c postpaid.
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DR. HESS POULTRY AND STOCK PREPARATIONS

DR. HESS POULTRY PAN-A-CEA

Helps to make poultry healthy and to make hens lay. Not a stimulant, but a tonic that tones up the dormant egg organs, brings back the scratch and cackle, and compels each hen to put her share of eggs in the market basket. 1½ Lb. Pkg. 25c, 5 Lb. Pkg. 75c, 12 Lb. Pkg. \$1.50, 25 Lb. Pail \$3.00.



DR. HESS STOCK TONIC

By promoting health it makes hog raising, dairying, and stock feeding more profitable. Provides the most efficient, most economical, and least bothersome method of treating hogs for worms.

4½ Lb. Pkg.	10 Lb. Pkg. \$1.25, 25 Lb. Pail \$3.00.
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DR. HESS ROUP TABLETS

For Roup, Diphtheria, Chicken Pox, Canker and all catarrhal diseases in poultry. Given in the drinking water. It is antiseptic, slightly astringent, non-irritating. It dry up the mucous discharges and heals effected parts.

100 Tablets	50 cts.
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BURRELL-DUGGER REMEDIES

SOLD UNDER POSITIVE MONEY BACK GUARANTEE IF NOT SATISFIED

FOR CHICKEN LICE

U. S. Government recommends new chemical. Destroys even young lice as they hatch

Poultry raisers need guess no longer as to the best method of getting rid of poultry lice. After many tests, the U. S. Department of Agriculture has found Sodium Fluoride superior to any other preparation for this purpose. They say it kills both old and young lice, including unhatched lice present at the time of treatment. Talcum Sodium Fluoride (called "T. S. F.") is made especially for poultry use." It is less irritating than straight Sodium Fluoride, penetrates the plumage more thoroughly, and comes packed in a moisture-proof, shaker-top package bearing the U. S. Government's directions for using. It is convenient—never cakes or loses strength—and always does the work. Full directions are on every can of T. S. F. for use in the three ways, either by dip, dusting or pinch methods. Prices—Small Size (for 50 chickens), 40c; Large Size (twice the 40c size), 70c; Special Size (5 times 70c size), \$2.65. The above prices include packing and postage.



For White Diarrhea in Chicks and Blackheads in Turkeys

Avicol does the work in 48 hours. Almost from the very moment you drop the first Avicol tablet in the drinking water, the sick chicks start to get well. Usually, in a short time, the very ones that seemed too weak and sick to live another day, are running around as lively as crickets, full of pep, hungry, healthy, scratching and pushing for a place at the feeding trough. After a few days of Avicol treatment, it will be hard for you to tell just which chicks had been sick and dying. They will all be as lively and active, the very picture of health.

Don't sit back and say your loss of baby chicks can't be stopped. It CAN BE STOPPED—easily, quickly, and at almost no expense. All you need do is drop an Avicol tablet in the water occasionally. Avicol is a special bowel antiseptic. It stops disease and prevents its spread by destroying germ life and helping the chick withstand infection. Price, 50c; Special Large Size (almost 3 times 50c size), \$1.



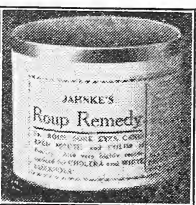
We can promptly ship you any of these guaranteed remedies, in any size. Write us to-day!

JAHNKE'S ROUP REMEDY

For roup, colds, cholera, white diarrhoea, etc. Placed in the drinking water, it kills the germs without any effort on your part. Does not color the drinking water. An established remedy which does its work quickly and efficiently. Don't let your chickens suffer and die. Separate the others and treat vigorously.

sick ones from the Full directions on box.

Per box\$.60
Postpaid70



DON SUNG

CHINESE FOR EGG-LAYING

Makes hens lay in any weather

"Hens won't lay in Fall and Winter," used to be accepted as a fact. But any one who has tried Don Sung knows that hens will lay right through the zero spells of winter, and all other cold or wet seasons. Don Sung is not an ordinary stock or poultry powder. It is a concentrated medicine—no needless bulk or filler—ready to add to your mash feed. It has a direct tonic action on the egg-laying organs and doesn't force or hurt the hen in any way. It produces more eggs by first putting the hen in good health, and then helping to maintain that health.

Costs Nothing To Try

Every poultry raiser is invited to try Don Sung—at our risk. Separate 15 hens and give them Don Sung for one month. Then watch results. If Don Sung pays you, keep on with it. If you don't think it has paid you, tell us and back comes your money. No arguments to it. Don Sung is guaranteed—try it, at our risk. Prices of Don Sung Tablets: Small Size, 50c; Large Size (3 times the 50c size), \$1; Special Size (6 times the \$1 size), \$5.



Roup-Over

TRADE-MARK

"The Over-Night Roup Remedy"

For Roup, Canker and Colds

Use Roup-Over at the very first symptom of Roup or Colds in your flock. It clears the air passages and brings relief with magic quickness. Easily used, both for individual treatment and in the drinking water for flock prevention. Leading poultry raisers everywhere now use Roup-Over, the over-night roup remedy. It's so easy! So sure! There's no other remedy like it—nothing "just as good." Have a bottle ready to use when you need it. Price, 50c; Large Size (3 times 50c size), \$1.

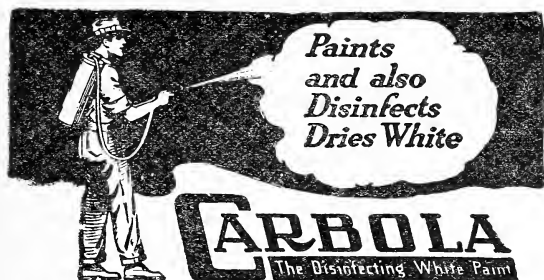


KNOX-OUT

K-O is safe, clean and clear—contains no tar, refuse, or heavy, dark oils. It has one hundred per cent efficiency and is highly economical. The combination of strangling, repelling and other effects on the flies, enables K-O to give the cows solid comfort and help maintain flesh and volume of milk. It gives you contented cows and help you save that 35% to 60% milk loss. It makes milking pleasant and comfortable for the herdsman.

Gallon\$1.75





THE POWDER OF MANY USES

CARBOLA is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied to building interiors with brush or spray pump. Disinfects and dries pure white. Does not flake or peel off. *One pound covers 100 sq. ft.*

CARBOLA makes buildings light, clean, sweet-smelling and sanitary. Helps to prevent contagious diseases among live stock and to keep poultry, cattle, horses, etc., free from lice, mites and other parasites. Recommended by leading agricultural colleges, experiment stations and health authorities for use in poultry houses, stables, dairies, hog pens, cellars, garages, dog kennels, rabbit hutches, factories, warehouses, out-buildings, on trees and tree trunks, and in the garden.



IN THE CHICKEN HOUSE

To paint and disinfect side walls, ceilings, roosts and brooders. Helps keep the birds free from lice and mites and the buildings clean, light and sanitary. Sprinkle it in the nests and rub it into the birds. The dry powder is an excellent louse powder.

IN THE BARN

To paint and disinfect side walls, ceilings, stalls, etc., as an aid to cleanliness and prevention of tuberculosis, foot and mouth disease, and other contagious diseases. Spread the dry powder on floor where the cow stands. Use it as a louse powder. Wash hands with powder before milking.



IN THE HOUSE

Carbola applied to walls and ceilings of cellars will kill bad odors, mustiness, prevent cobwebs, disease germs, drive out spiders, ants and other insects. Use the dry powder as cleanser for pots, pans, cutlery and for removing stains from woodwork. Especially recommended in bathroom for cleaning bathtubs, wash basins, tile and for disinfecting the bowl.

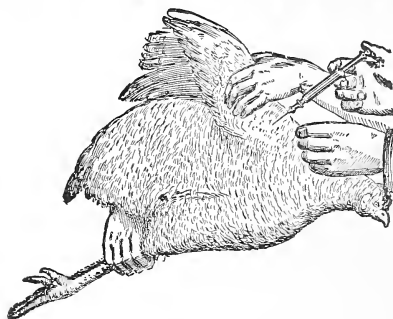


Dust Carbola on rose bushes, peas, cabbage, tomato plants, etc., to help get rid of insects and worms. Spray it on trees and tree trunks.

It increases light, sanitation and general appearance in factory buildings. It makes cleaner warehouses. An excellent and economical interior finish for garages.

5 Lb., Pkg. 85c 10 Lb., Pkg. **\$1.50**
50 Lb., Bag **\$5.50**

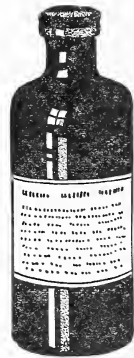
VACCINATION PAYS



Stops poultry losses. Increases profits. Best preventative and treatment of mixed infections in poultry, including diphtheria, roup, colds, canker, cholera and their complications.

Vaccinate with Avian Mixed Infection Bacterin

60 doses	\$2.00
250 doses	5.00
500 doses	7.50
Quitman Syringe	1.50
10-dose Glass Springe.....	1.25



NOTE THESE REMARKABLE QUALITIES

Powerful. By Government Method of test B-K has over ten times greater germ-killing strength than carbolic acid. Much stronger than coal tar disinfectants—much safer.

Safe. B-K is colorless, leaves no stain on floors, walls or utensils. Does not soil animal's hair.

Deodorant. B-K destroys foul odors—leaves no odor of itself.

Cheap to Use. B-K is so strong that much water is used in diluting. One gal. B-K makes 200 to 500 gals. of dilution ready for use according to the



purpose. Stops and cures Roup, Canker, Scaly Legs, Bumblefoot, Chicken Pox, Black Head in Turkeys and other contagious poultry diseases.

FOR YOUR SHOW BIRDS

B-K removes all stains—keeps plumage, skins and combs clean and bright—destroys nits and eggs of lice. Keeps the flock healthy and snappy.

Greatest Household Purifier, Cleanser, Deodorant Germ Destroyer.

Non-Poisonous, Colorless, Leaves no Odor.

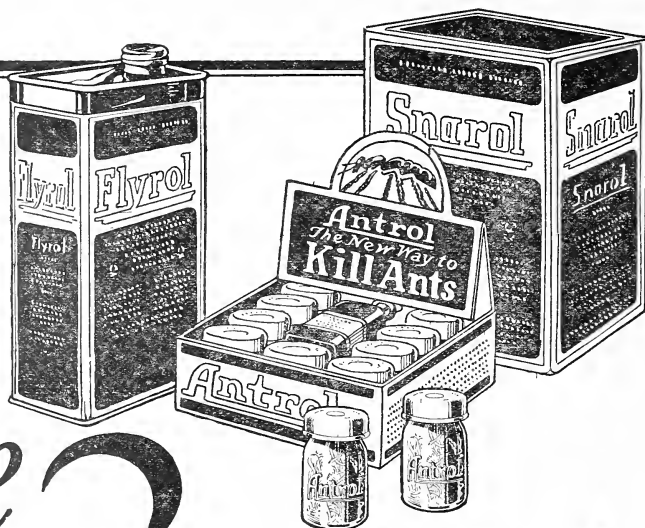
Circular on request.

Trial size, 60c; quart, \$1.25; gallon, \$3.00.

Express only.

B-K

A PREPARATION THAT SHOULD BE IN EVERY HOME. WRITE US FOR DESCRIPTIVE CIRCULARS. SEE NEXT COLUMN.



The 3 Greatest Pest Controls

ANTROL · FLYROL · SNAROL

Keep your house free from ants, flies — your garden free from snails and slugs.

Antrol is the most effective eliminator of Argentine and honey dew loving ants known. The largest nurseries and thousands of homes on the Pacific Coast use it exclusively.

Antrol is harmless to children or pets, yet eliminates the entire ant colony — quickly and surely.

Flyrol is non-poisonous — will not stain the daintiest fabrics — yet kills all flies, moths, mosquitoes, roaches, bedbugs, beetles, silverfish fleas, chicken lice, mites and their eggs.

Excellent too, as a sanitary measure against contagion.

Easy to use. No unpleasant odor. A few minutes and the work is done. Use it freely and end these pests.

Snarol is a boon to the gardener. It quickly destroys these garden pests. Just sprinkle *Snarol* around and under newly planted vegetation. Insure it against destruction.

Kills snails, slugs, cut worms, sow bugs, earwigs, and grasshoppers.

Every household should have these three insecticides—none better on the market.

PRICES.....

FLYROL

Pint Cans	\$.55
Quart Cans	1.00
Gallon Cans	2.75
5-Gallon Cans	12.50

SNAROL

1 lb. package (for small area)	\$.40
3 lb. package	.75
15 lb. bag	3.00

ANTROL

Cottage Set (like illustration and consisting of 9 Antrol containers and Antrol Syrup)	\$1.60
Antrol Containers only	.15
Antrol Syrup, pint	.65
Antrol Syrup, quart	1.00
Antrol Syrup, gal. can.	2.75

"Rax"—The scientific destroyer of Rats, Mice and all rodents. Harmless to human beings and all animals not rodents. 75c, not postpaid.

RAX IS NOT A POISON

While it is absolutely deadly to rats and mice, it is harmless to human beings, domestic animals, poultry and birds. It may be used everywhere with complete safety.



CANARY BIRD and PARROT FEED AND SUPPLIES



Mixed Canary Seed.....	\$.15 lb.
Composed of Hemp, Canary, Rape and Millet	
Plain Canary Seed.....	.20 lb.
Mixed Parrot Feed.....	.15 lb.
Mixed Dove Feed.....	.15 lb.
Hemp Seed.....	.10 lb.
Rape Seed.....	.15 lb.
Poppy Seed.....	.30 lb.
Siberian Millet Seed.....	.10 lb.
Sunflower Seed.....	.15 lb.
Cuttle Fish Bone.....	.10 oz.
Canada Peas.....	.15 lb.
Bird Manna.....(2 for 25c)	.15 ea.
Mixed Parakeet Feed.....	.15 lb.
Red Gravel small size.....	.15c
Red Gravel, large size.....	.25c
Silver Gravel, small size.....	.15c
Silver Gravel, large size.....	.25c
Mocking Bird Food.....	.40c
Bird Bitters.....	.25c
Song Restorer.....	.25c
Mite Powder for birds.....	.25c
Nesting Hair in boxes.....	.10c
Nesting Food, box.....	.25c
Orange color food.....	.25c
Fish Food.....	.10c



For Prompt Service Add Sufficient Postage
For Delivery. (See Page 1)

FREE BOOKLET

Ask us for free booklet on "Care of Canary Birds," when ordering bird seed or bird supplies.

FOR THE DAIRYMAN

Epsom Salts—Well known cathartic. Bowel regulator for stock and poultry. 1 lb., 15c; 2 lbs., 25c; 10 lbs., \$1.00; 100 lbs., \$7.00.

Milk Bottle Caps—Will fit any standard milk bottle. 25c lb.; 10 lbs. \$2.25.

Butter Paper—For wrapping 1 lb., moulded butter. 35c lb.

Flowered Sulphur—For feeding with salt etc. 1 lb., 15c; 10 lbs., \$1.00; 100 lbs., \$7.00.

Sergeant's DOG MEDICINES

Distemper Medicine.....	\$1.20
Mange Medicine.....	.60
Condition Pills.....	.60
Sure Shot Capsules for worms.....	.60
Sure Shot Liquid, for worms.....	.60
Tape Worm Medicine.....	.60
Arsenic and Iron Pills.....	.60
Canker Wash, for the ear.....	.60
Well Mouth, for sore mouth.....	.60
Pepsin Tablets, for indigestion.....	.60
Diarrhoea Medicine.....	.60
Cough Medicine, for colds.....	.60
Rheumatic Pills.....	.60
Dog Rub, a liniment.....	.60
Eye Wash.....	.60
Constipation Capsules.....	.60
Carbolic Tar Soap.....	.25
Skip Flea Soap, for fleas and lice.....	.25
Skip Flea Powder.....	.25

FREE DOG BOOK

Polk Miller's famous book on the care, feeding and breeding of dogs will be sent free to all dog owners and dog lovers. In addition to describing the various diseases of dogs, together with the proper medicine for treatment, it also contains Symptom Chart and Senator Vest's celebrated "Tribute to a Dog." Write for your copy today. It's free.



AUSTIN'S DOG BREAD

A splendid conditioner and ready prepared food for the Dog. Contains ingredients in such a combination as to make a healthful, nourishing dog food. Good for the teeth, for sweet breath, for glossy coat and regular habits. 15c per lb.,; 2 lbs., 25c; 25 lbs., \$2.50.



Baby Chicks By Mail

At the solicitation of a number of our customers we have made arrangements to endeavor to supply WELL-BRED, DAY-OLD CHICKS to such of our friends who take a pride in their poultry and desire to build up quality and profit-producing flocks.

We will specialize in Baby Chicks furnished by
LORENZEN HATCHERY—BARBEE HATCHERY, ETC.

All eggs handled in hatchery come from large healthy flocks that are culled each year and are bred for high egg record.

SHIPPING

We will ship only sturdy healthy chicks in regular chick boxes Parcel Post or Express prepaid. Not less than 25 shipped. 1000 or more can be had on short notice at reduced price.

OUR GUARANTEE

We guarantee 100% live delivery within 60 hours travel of San Antonio, Texas.
All boxes must be opened in presence of the Post Master or delivery clerk, they must certify in a written statement in what condition they found the chicks and how many dead ones.
We will not be responsible for chicks delivered by rural carriers. We will notify you in advance so you can arrange to receive your chicks.
All claims must be made within 24 hours after arrival of chicks.

GRADES OF CHICKS

RHODE ISLAND REDS

BARRED ROCKS

WHITE ROCKS

We grade our chicks of the heavy type at the following prices:

Grade A	Grade B	Grade C
\$17.50 per 100	\$15.00 per 100	\$12.00 per 100

Grade A being from pure bred egg producers that have been culled for years by experts.
Grade B being from high grade utility flocks.
Grade C being from heavy mixed strains for broilers and fryers.
High egg producing White Leghorns and Anconas \$15.00 per 100 chicks

Write us promptly, stating breed, number of birds, and time of delivery desired, and we will take great pleasure in mailing back to you full information.
We will not attempt to meet a competition of mixed or low-grade chicks.
Remember—Your best interests can be served by ordering at least **FOUR WEEKS** in advance of shipping date.

VEGETABLE PLANTS

NO PLANTS SHIPPED C. O. D.

ONION PLANTS

Crystal White Wax or Yellow Bermuda

100	.....	postpaid	\$.30
500	.....	postpaid	1.00
1,000	.....	postpaid	1.75

If you prefer to pay express charges, offer Onion Plants f. o. b. shipping point.

1,000	.....	\$1.25	per 1,000
5,000	.....	1.10	per 1,000
10,000	.....	1.00	per 1,000
25,000	.....	.90	per 1,000

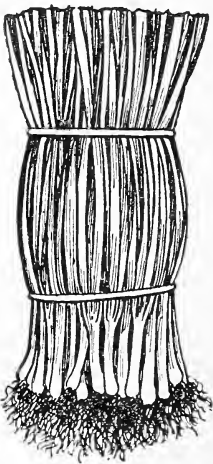
Cabbage Plants—Early Jersey Wakefield, Charleston Wakefield and Early Flat Dutch, 15c per dozen; 55c per 100.

Egg Plant—Black Beauty and New York Purple for spring planting. Doz., 30c, postpaid; \$6.00 per 1000. Ready April 1st.

Sweet Pepper Plants—Chinese Giant and Magnum Dulce for spring planting. Doz., 30c postpaid; \$6.00 per 1000. Ready April 1st.

Hot Pepper Plants—Red Chili and Long Red Cayenne for spring planting. Doz., 20c, postpaid; \$5.00 per 1000. Ready April 1st.

Tomato Plants—Earliana, McGee, Dwarf Champion for spring planting. Doz., 15c, postpaid; \$3.00 per 1000. Ready April 1st.



Garden Seeding Table

Name of Vegetables	Seeds required for		Distance for Plants		Ready for use from seed in about
	100 ft. Row	One Acre	In Rows	Rows apart	
Artichoke	1 oz.	6 oz.	2 ft.	3 to 4 ft.	8 months
Asparagus	2 ½ oz.	4 lbs.	1 to 2 ft.	3 to 4 ft.	3 to 4 years
Beans, Bush.....	1 qt.	1 ¼ bush.	6 in.	2 ft.	45 to 65 days
Beans, Pole	1 qt.	10 to 12 qts.	3 ft.	4 ft.	65 to 90 "
Beet, Table	2 oz.	5 lbs.	4 in.	1 to 1 ½ ft.	60 to 75 "
Beet, Mangel ...	1 oz.	5 lbs.	8 in.	2 to 2 ½ ft.	150 "
Broccoli	½ oz.	2 oz.	2 ft.	2 ½ ft.	120 "
Brussels Spr'ts.	½ oz.	2 oz.	2 ft.	2 ft.	100 to 120
Cabbage, early..	½ oz.	6 oz.	18 in.	2 ½ ft.	100 to 120 "
Cabbage, late...	½ oz.	6 oz.	2 ½ ft.	3 ft.	125 to 180 "
Carrot	1 oz.	3 to 4 lbs.	4 in.	1 ½ to 2 ft.	75 to 120 "
Cauliflower	½ oz.	½ lb.	2 ft.	2 ½ ft.	100 to 135 "
Celery	½ oz.	2 oz.	6 in.	3 to 4 ft.	125 to 150 "
Corn, Salad	3 oz.		4 in.	12 to 13 in.	65 "
Corn, Sweet ...	½ pt. 100 hills	8 qts.	3 ft.	4 ft.	65 to 100 "
Cress	½ oz.	2 to 3 lbs.	1 in.	1 ft.	30 "
Cucumber	1 oz.	2 lbs.	4 ft.	4 ft.	60 to 85 "
Egg Plant	½ oz.	4 oz.	2 ½ ft.	3 ft.	150 to 160 "
Endive	1 oz.	4 lbs.	1 ft.	1 ½ ft.	50 to 75 "
Kale	½ oz.	2 oz.	2 ft.	2 ½ ft.	100 to 120 "
Kohlrabi	½ oz.	4 lbs.	6 in.	1 ½ ft.	75 "
Leek	1 oz.	4 lbs.	6 in.	1 ½ ft.	120 to 160 "
Lettuce	1 oz.	3 lbs.	1 ft.	1 ½ ft.	65 to 100 "
Melons, Musk...	½ oz.	2 to 3 lbs.	4 ft.	5 ft.	115 to 140 "
Melons, Water..	1 oz.	4 lbs.	8 ft.	8 ft.	120 to 140 "
Okra	2 oz.	10 lbs.	1 ½ ft.	2 ft.	90 to 125 "
Onion	1 oz.	5 to 6 lbs.	3 in.	1 ft.	135 to 150 "
Parsley	½ oz.	3 to 5 lbs.	4 in.	1 ½ ft.	100 "
Parsnip	½ oz.	3 to 5 lbs.	6 in.	1 ½ ft.	125 to 150 "
Peas	1 to 2 pts.	2 bush.	2 in.	2 to 4 ft.	50 to 75 "
Pepper	½ oz.	½ lb.	2 ft.	2 ft.	140 to 150 "
Potato, cut	5 lbs.	7 to 10 bush.	1 ft.	2 ½ ft.	80 to 140 "
Pumpkin	1 pkt.	4 lbs.	8 ft.	8 ft.	100 to 120 "
Radish	1 oz.	8 to 10 lbs.	2 to 4 in.	1 ½ ft.	20 to 50 "
Salsify	1 oz.	8 lbs.	6 in.	1 ½ ft.	125 to 150 "
Spinach	1 oz.	10 lbs.	4 in.	15 in.	30 to 60 "
Squash, Bush...	½ oz.	4 lbs.	3 ft.	4 ft.	60 to 75 "
Squash, Late...	½ oz.	4 lbs.	7 ft.	8 ft.	00 to 125 "
Tomato	½ oz.	2 to 4 oz.	4 ft.	4 ft.	100 to 125 "
Turnip	½ oz.	2 lbs.	6 in.	1 ft.	60 to 75 "

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SAN ANTONIO, TEXAS